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Environment Canada Environnement Canada

Surface Water Data

Saskatchewan

Données sur les eaux de surface

1990

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1991

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Regina, Saskatchewan.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Regina (Saskatchewan).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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NTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1990 calendar year, the results of the hydrometric survey investigations which were made in Saskatchewan by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Room 300, Park Plaza,
2365 Albert Street,
Regina, Saskatchewan,
S4P 4K1
(306 780-5338)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1990, the hydrometric surveys in Saskatchewan were conducted by the Water Survey of Canada under agreement with the Province of Saskatchewan. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1990, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués en Saskatchewan.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Pièce 300, Park Plaza
2365 rue Albert
Regina, Saskatchewan
S4P 4K1
(306 780-5338)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1990, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Saskatchewan en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Saskatchewan to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Saskatchewan for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Saskatchewan on February 18, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de la Saskatchewan a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement de la Saskatchewan a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Agriculture Canada, PFRA.

Provincial – Saskatchewan Power Corporation;
Saskatchewan Research Council;
Saskatchewan Department of the Environment.

Private – Churchill River Power Company;
University of Saskatchewan.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Agriculture Canada (ARAP).

Niveau provincial – *Saskatchewan Power Corporation*,
Conseil de recherche de la Saskatchewan,
Ministère de l'Environnement de la Saskatchewan.

Secteur privé – *Churchill River Power Company*,
Université de la Saskatchewan.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^3 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and blished in a new format wherein Canada is divided into eight gions. The provinces each represent a separate region except for w Brunswick, Newfoundland, Nova Scotia and Prince Edward and, which together form the Atlantic Provinces region, and the kon and Northwest Territories which make up another. The blications are identified by the province or territories covered l the year in which the data were collected. These data are blished annually on a calendar-year basis and the stations are ed alphabetically.

The first edition of a *Sediment Data Reference Index* was blished for data to 1972. It contains a tabulation of locations Canada where sediment data were collected by the Water Survey Canada. The index has been subdivided alphabetically by prov- e or territory, with sediment survey stations also listed alphabeti- ly. Commencing with the 1978 publication, data are presented in International System of Units (SI) and will continue to be blished biennially. The latest edition supersedes all previous tions because it contains any corrections or additions since the publication.

The first edition of a new publication series titled *Historical liment Data Summary for Canadian Rivers* was produced for data 1974. This publication contains a summary of historical monthly l annual mean suspended sediment load, and annual extremes of ly suspended sediment concentration and loads and total annual pended load. Commencing with the 1978 publication, data are sented entirely in the International System of Units (SI). This blication has been discontinued, as much of the information is v included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level discharge was obtained during the year under review, the owing are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

The table of daily water level or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily e or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge ervations per day were obtained and used as the mean for the for a gauging station equipped with a recording gauge. This bol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station ere discharge data are obtained the presence of ice has affected stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that value was determined by some indirect method such as inter- ation, extrapolation, estimation from a graph of observed lings, comparison with other streams or by comparison with eorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ABITAU RIVER ABOVE CUMING LAKE - STATION NO. 07QC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.86B	7.06B	6.26B	5.35B	8.21B	23.6	19.9	21.4	17.8	22.9	19.4B	16.4B	1
2	9.91B	6.84B	6.13B	5.37B	8.08B	23.4	19.8	21.4E	18.2	22.8	19.6B	15.8B	2
3	9.92B	6.71B	6.24B	5.36B	8.16B	23.1	19.8	21.1A	18.6	22.6	20.2B	16.4B	3
4	9.79B	6.71B	5.67B	5.35B	9.00B	23.0	20.1	20.7A	18.7	22.3	19.7B	16.2B	4
5	9.76B	6.78B	6.07B	5.34B	11.0 B	22.6	20.5	20.3A	19.3	22.1	20.0B	16.3B	5
6	9.97B	6.93B	6.04B	5.31B	14.6 B	22.2	21.6	20.0	19.5	21.9	20.5B	15.6B	6
7	9.87B	7.05B	6.19B	5.32B	17.9 B	22.2	22.7	19.6E	20.0	21.8	19.7B	15.4B	7
8	9.98B	7.14B	6.13B	5.35B	19.2 B	22.8	23.5	19.2E	20.2	21.7	19.5B	15.5B	8
9	10.2 B	7.09B	6.22B	5.32B	19.0	22.6	24.2	18.9A	20.4	21.9	18.7B	15.2B	9
10	10.3 B	7.10B	6.21B	5.02B	19.4	22.4	24.5	18.5E	20.8	21.8	18.8B	15.5B	10
11	10.4 B	7.14B	6.18B	4.91B	20.1	21.9A	24.5	18.2A	21.1	21.5	19.2B	15.3B	11
12	10.7 B	6.87B	6.10B	4.92B	20.8	21.5A	24.6	18.4	21.2	21.0	19.1B	15.7B	12
13	10.7 B	6.75B	6.10B	5.02B	21.3	21.0	24.6	18.5	21.5	20.6	19.2B	15.6B	13
14	10.6 B	6.62B	6.14B	4.98B	21.7	20.5	24.7	18.3	21.8	20.8	19.3B	15.9B	14
15	10.4 B	6.38B	5.91B	5.11B	22.2	20.1	24.8	17.8A	21.9	20.7	18.9B	16.0B	15
16	9.97B	6.14B	5.91B	5.27B	22.5	19.8	24.6	17.4	22.2	20.6	18.3B	16.2B	16
17	9.89B	5.91B	5.95B	5.22B	23.1	19.9A	24.6	16.9	22.6	20.6	17.8B	15.8B	17
18	9.70B	6.02B	5.89B	5.32B	23.6	20.0	24.4	16.6	22.9	20.5	17.5B	15.8B	18
19	9.13B	5.83B	5.83B	5.66B	23.9	20.3	24.2	16.4A	22.8	20.4	17.3B	14.4B	19
20	8.81B	5.57B	5.64B	5.90B	24.1	19.9	24.0	16.1A	23.1	20.6	17.3B	14.0B	20
21	8.90B	5.97B	5.53B	5.96B	24.3	19.8	23.8	15.7A	23.4	20.6	17.2B	14.3B	21
22	8.98B	6.08B	5.33B	6.03B	24.3	19.7	23.7	15.7	23.4	20.2	17.7B	14.7B	22
23	8.88B	6.08B	5.16B	6.05B	24.3	19.9	23.5A	16.2	23.5	20.4	17.7B	15.1B	23
24	8.72B	5.98B	5.07B	5.96B	24.5	19.6	23.3A	16.9	23.5	20.3	17.3B	14.7B	24
25	8.81B	6.21B	4.99B	6.17B	24.6	19.2	23.2	17.2	23.4	20.3B	16.9B	14.7B	25
26	8.50B	6.12B	5.06B	6.98B	24.5	18.8	23.0	17.3	23.4	19.6B	17.0B	14.9B	26
27	8.52B	6.30B	4.91B	7.63B	24.2	18.7	22.8	17.2	23.3	20.3B	16.9B	14.3B	27
28	8.25B	6.23B	5.02B	7.87B	24.2	19.3	22.5A	17.3	23.3	20.1B	16.9B	14.4B	28
29	7.91B		4.96B	7.76B	24.1	19.8	22.1A	17.5	23.3	20.6B	17.0B	14.1B	29
30	7.53B		5.21B	8.14B	24.0	20.0	22.0	17.6	23.3	19.9B	17.1B	13.8B	30
31	7.36B		5.35B		23.8		21.8	17.7		19.9B		12.6B	31
TOTAL	292.22	181.61	177.40	173.87	624.65	627.6	713.3	562.0	648.4	651.3	551.7	470.6	TOTAL
MEAN	9.43	6.49	5.72	5.80	20.2	20.9	23.0	18.1	21.6	21.0	18.4	15.2	MEAN
MAX	10.7	7.14	6.26	8.14	24.6	23.6	24.8	21.4	23.5	22.9	20.5	16.4	MAX
MIN	7.36	5.57	4.91	4.91	8.08	18.7	19.8	15.7	17.8	19.6	16.9	12.6	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.5
MAXIMUM DAILY, 24.8 ON JUL 15
MINIMUM DAILY, 4.91B ON MAR 27
MAXIMUM INSTANTANEOUS,
24.9 AT 05:51 CST ON JUL 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 59 58 N
LONG 108 46 24 W
DRAINAGE AREA, 3 780 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	25 200	JUL	61 600
FEB	15 700	AUG	48 600
MAR	15 300	SEP	56 000
APR	15 000	OCT	56 300
MAY	54 000	NOV	47 700
JUN	54 200	DEC	40 700

TOTAL DISCHARGE, 490 000 dam³

ADAMS LAKE - STATION NO. 11AB095

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	1 186.431	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	1 187.480E	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	1 186.727	---	---	---	20
21	---	1 186.836	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	1 187.480	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	1 187.370	---	---	---	---	---	---	27
28	---	1 186.840E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	1 187.476	---	---	---	---	---	---	---	29
30	---		---	1 187.478E	---	1 187.370E	---	---	1 186.650E	---	---	---	30
31	---		1 187.480E		1 187.475E		1 187.076	1 186.860E		1 186.440E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 33 N
LONG 109 50 14 W

E - ESTIMATED
REGULATED
DRAINAGE AREA,
27.5 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 06AD011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.059B	1.40 B	3.62	1.14	0.063	0.336	0.020	0.010	---	---
2	---	---	0.059B	2.50 B	4.13	0.939	0.066	0.272	0.024	0.012	---	---
3	---	---	0.059B	3.32 B	5.43A	0.860	0.393	0.212	0.024	0.017	---	---
4	---	---	0.059B	2.97 B	6.96	0.820	2.01	0.145	0.020	0.018	---	---
5	---	---	0.059B	2.64 B	8.73	0.737	3.04	0.108	0.020	0.023	---	---
6	---	---	0.060B	2.44	10.0	0.570	2.96	0.077	0.015	0.024	---	---
7	---	---	0.060B	2.00	9.52	0.502	2.33	0.054	0.015	0.026	---	---
8	---	---	0.060B	1.85 E	8.51	0.444	1.94	0.047	0.008	0.029	---	---
9	---	---	0.060B	1.58 A	8.10	0.588	3.68	0.053	0.010	0.031	---	---
10	---	---	0.060B	1.40 E	7.73	1.05	7.56	0.049	0.011	0.037	---	---
11	---	---	0.061B	1.30 E	7.17	1.58	4.35	0.056	0.010	0.041	---	---
12	---	---	0.061B	1.20 E	6.39	1.51	2.84	0.057	0.010	0.046	---	---
13	---	---	0.061B	1.10 E	5.54	1.30	1.56	0.052	0.011	0.049	---	---
14	---	---	0.062B	1.03 E	4.30	1.03	1.19	0.039	0.007	0.063	---	---
15	---	---	0.062B	0.980E	3.50	0.778	0.856	0.043	0.007	0.074	---	---
16	---	---	0.063B	0.955E	3.13	0.590	0.668	0.048	0.006	0.079	---	---
17	---	---	0.064B	0.930E	2.91	0.431	0.644	0.051	0.006	0.073	---	---
18	---	---	0.066B	0.941A	2.62	0.354	0.776	0.063	0.006	0.073	---	---
19	---	---	0.068B	1.15 E	2.77	0.315	0.905	0.060	0.009	0.075	---	---
20	---	---	0.070B	1.45 A	3.09	0.290	0.818	0.054	0.009	0.077	---	---
21	---	---	0.072B	1.51 A	3.14	0.261	0.698	0.071	0.006	0.075	---	---
22	---	---	0.074B	1.75 E	3.03	0.223	0.583	0.060	0.007	0.075	---	---
23	---	---	0.076B	2.05 E	2.78	0.179	0.480	0.045	0.009	0.110	---	---
24	---	---	0.078B	2.25 A	2.50	0.145	0.379	0.039	0.008	0.102	---	---
25	---	---	0.080B	2.65	2.40	0.136	0.313	0.044	0.010	0.066	---	---
26	---	---	0.084B	3.60	2.06	0.104	0.252	0.044	0.009	0.091	---	---
27	---	---	0.094B	4.56	2.11	0.077	0.215	0.040	0.010	0.097	---	---
28	---	0.059B	0.140B	4.73	1.76	0.090	0.257	0.028	0.009	0.096	---	---
29	---		0.300B	4.32	1.51	0.070	0.247	0.028	0.009	0.090A	---	---
30	---		0.440B	3.39	1.32	0.067	0.195	0.023	0.008	0.090E	---	---
31	---		0.700B		1.44		0.332	0.023		0.090E		
TOTAL	---	---	3.371	63.946	138.20	17.180	42.000	2.321	0.333	1.859	---	---
MEAN	---	---	0.109	2.13	4.46	0.573	1.35	0.075	0.011	0.060	---	---
MAX	---	---	0.700	4.73	10.0	1.58	7.56	0.336	0.024	0.110	---	---
MIN	---	---	0.059	0.930	1.32	0.067	0.063	0.023	0.006	0.010	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 10.0 ON MAY 06
MINIMUM DAILY, 0.006 ON SEP 16
MAXIMUM INSTANTANEOUS,
11.7 AT 21:08 CST ON JUL 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 10 N
LONG 107 58 30 W
DRAINAGE AREA, 416 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 63
FEB	---	AUG	20
MAR	291	SEP	2
APR	5 520	OCT	16
MAY	11 900	NOV	---
JUN	1 480	DEC	---

TOTAL DISCHARGE, 23 200 d

ALTAWAN RESERVOIR NEAR GOVENLOCK - STATION NO. 11AB089

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	891.965	899.870	899.713	899.951	899.601	898.451	898.245	897.706	---	---
2	---	---	891.982	899.938	899.709	899.923	899.593	898.426	898.253	897.703	---	---
3	---	---	892.511	899.954	899.707	899.897	899.578	898.412	898.261	897.690	---	---
4	---	---	893.879	899.948	899.702	899.884	899.559	898.407	898.243	897.689	---	---
5	---	---	895.140	899.944	899.694	899.872	899.550	898.401	898.182	897.690	---	---
6	---	---	896.359	899.929	899.702	899.854	899.551	898.394	898.115	897.678	---	---
7	---	---	897.664A	899.903	899.698	899.835	899.546	898.382	898.039	897.675	---	---
8	---	---	898.716	899.872	899.694	899.796	899.533	898.371	897.980	897.676	---	---
9	---	---	899.257	899.843	899.685	899.757	899.529	898.359	897.914	897.683	---	---
10	---	---	899.337	899.834	899.683	899.724	899.523	898.347	897.840	897.679	---	---
11	---	---	899.428	899.830	899.675	899.678	899.514	898.338	897.796A	897.669	---	---
12	---	---	899.317	899.823	899.671	899.642	899.506	898.331	897.791E	897.670	---	---
13	---	---	899.201	899.820	899.661	899.601	899.502	898.322	897.787E	897.668	---	---
14	---	---	899.135	899.820	899.651	899.585	899.495	898.318	897.783E	897.662	---	---
15	---	---	899.106	899.813	899.621	899.581	899.478	898.318	897.779E	897.666	---	---
16	---	---	899.078	899.801	899.561	899.585	899.460	898.317	897.775E	897.669	---	---
17	---	---	899.085	899.791	899.518	899.602	899.411	898.309	897.771E	897.669	---	---
18	---	---	899.158	899.790	899.475	899.640	899.341	898.300	897.767A	897.672	---	---
19	---	---	899.216	899.784	899.415	899.660A	899.270	898.293	897.762A	897.673	---	---
20	---	---	899.332	899.781	899.355	899.656E	899.208	898.290	897.757A	897.663	---	---
21	---	---	899.505	899.785	899.297	899.652E	899.151	898.279	897.752E	897.663	---	---
22	---	---	899.679	899.777	899.243	899.647E	899.092	898.276	897.747E	897.664	---	---
23	---	891.948A	899.744	899.772	899.180	899.643E	899.038	898.265	897.743E	897.660	---	---
24	---	891.955	899.776	899.764	899.116	899.639E	898.969	898.255	897.744E	897.659	---	---
25	---	891.953	899.788	899.757	899.196A	899.635E	898.894	898.255	897.747E	897.667	---	---
26	---	891.961	899.777	899.743	899.926	899.630E	898.813	898.255	897.751A	897.668	---	---
27	---	891.956	899.754	899.732	900.292	899.626E	898.767	898.244	897.737	897.655	---	---
28	---	891.960	899.728	899.719	900.157	899.622A	898.706	898.245	897.720	897.651	---	---
29	---		899.715	899.721	900.064	899.610	898.643	898.259	897.711	897.651	---	---
30	---		899.737	899.706	900.012	899.607	898.578	898.257	897.705	897.651	---	---
31	---		899.796		899.986		898.514	898.247		897.660A		
MEAN	---	---	898.254	899.819	899.647	899.701	899.255	898.320	897.873	897.671	---	---
MAX	---	---	899.796	899.954	900.292	899.951	899.601	898.451	898.261	897.706	---	---
MIN	---	---	891.965	899.706	899.116	899.581	898.514	898.244	897.705	897.651	---	---

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 900.292 ON MAY 27
MINIMUM DAILY, 891.948A ON FEB 23
MAXIMUM INSTANTANEOUS,
900.319 AT 06:24 CST ON MAY 27

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 00 N
LONG 109 55 00 W

A - MANUAL GAU
E - ESTIMATED
REGULATED
DRAINAGE AREA,
966 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE PEAK WATER LEVEL OCCURRED DURING A PERIOD OF POOR RECORD QUALITY

AMISK LAKE NEAR FLIN FLON - STATION NO. 05KG003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.634	0.641	0.670	0.668	0.719	0.880	0.943	0.937	0.889	0.811	0.781	0.796	1
2	0.634	0.632	0.666	0.665	0.718	0.881	0.939	0.936	0.887	0.796	0.796	0.792	2
3	0.635	0.636	0.663	0.669	0.719	0.889	0.921	0.929	0.890	0.820	0.804	0.792	3
4	0.637	0.645	0.662	0.664	0.723	0.888	0.938	0.929	0.891	0.814	0.804	0.793	4
5	0.635	0.644	0.664	0.664	0.725	0.891	0.946	0.926	0.881	0.807	0.807	0.796	5
6	0.638	0.646	0.665	0.664	0.726	0.891	0.943	0.926	0.872	0.803	0.803	0.794	6
7	0.637	0.645	0.666	0.666	0.736	0.890	0.946	0.928	0.883	0.799	0.805	0.794	7
8	0.636	0.646	0.666	0.662	0.748	0.885	0.951	0.921	0.864	0.797	0.804	0.796	8
9	0.632	0.651	0.676	0.661	0.756	0.882	0.953	0.913	0.863	0.799	0.802	0.798	9
10	0.633	0.644	0.675	0.659	0.764	0.884	0.957	0.913	0.862	0.799	0.795	0.793	10
11	0.636	0.647	0.675	0.661	0.772	0.896	0.958	0.909	0.851	0.815	0.793	0.793	11
12	0.632	0.657	0.674	0.659	0.778	0.900	0.977	0.913	0.844	0.807	0.786	0.796	12
13	0.632	0.659	0.675	0.657	0.784	0.895	0.974	0.916	0.850	0.813	0.786	0.797	13
14	0.634	0.656	0.676	0.656	0.791	0.907	0.972	0.911	0.850	0.814	0.792	0.798	14
15	0.635	0.654	0.675	0.657	0.797	0.915	0.966	0.906	0.847	0.814	0.790	0.797	15
16	0.636	0.656	0.676	0.655	0.805	0.911	0.956	0.900	0.849	0.809	0.788	0.796	16
17	0.637	0.655	0.674	0.654	0.813	0.914	0.952	0.897	0.850	0.809	0.789	0.794	17
18	0.633	0.658	0.675	0.656	0.821	0.919	0.954	0.897	0.842	0.804	0.790	0.795	18
19	0.635	0.656	0.676	0.658	0.829	0.918	0.941	0.898	0.831	0.794	0.788	0.796	19
20	0.634	0.660	0.672	0.656	0.836	0.917	0.929	0.901	0.830	0.798	0.782	0.794	20
21	0.642	0.661	0.673	0.659	0.844	0.917	0.932	0.902	0.831	0.797	0.792	0.793	21
22	0.640	0.659	0.675	0.659	0.852	0.916	0.936	0.904	0.835	0.795	0.804	0.793	22
23	0.641	0.661	0.675	0.665	0.858	0.919	0.936	0.913	0.834	0.800	0.800	0.797	23
24	0.644	0.658	0.675	0.664	0.864	0.918	0.930	0.908	0.834	0.800	0.797	0.794	24
25	0.643	0.661	0.670	0.664	0.866	0.914	0.928	0.897	0.835	0.799	0.794	0.796	25
26	0.650	0.667	0.668	0.681	0.867	0.915	0.922	0.897	0.832	0.795	0.793	0.794	26
27	0.648	0.664	0.667	0.687	0.869	0.917	0.917	0.898	0.820	0.793	0.792	0.796	27
28	0.644	0.666	0.669	0.694	0.873	0.922	0.935	0.896	0.818	0.792	0.792	0.801	28
29	0.645		0.669	0.716	0.879	0.934	0.933	0.895	0.823	0.797	0.791	0.796	29
30	0.646		0.673	0.718	0.884	0.938	0.940	0.890	0.816	0.781	0.797	0.793	30
31	0.647		0.670		0.888		0.934	0.889		0.779		0.792	31
MEAN	0.638	0.653	0.671	0.667	0.803	0.905	0.944	0.910	0.850	0.802	0.795	0.795	MEAN
MAX	0.650	0.667	0.676	0.718	0.888	0.938	0.977	0.937	0.891	0.820	0.807	0.801	MAX
MIN	0.632	0.632	0.662	0.654	0.718	0.880	0.921	0.889	0.816	0.779	0.781	0.792	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 0.787
MAXIMUM DAILY, 0.977 ON JUL 12
MINIMUM DAILY, 0.632 ON JAN 09
MAXIMUM INSTANTANEOUS,
0.992 AT 07:45 CST ON JUL 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 40 05 N
LONG 102 05 03 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
14 600 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURED AS A RESULT OF WIND SETUP

ANGLIN LAKE RESERVOIR - STATION NO. 05GG005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	515.312	515.354	515.384	515.403	515.560	515.585	515.474	515.474	515.299	515.219	515.237	515.295	1
2	515.313	515.356	515.384	515.407	515.563	515.580	515.472	515.473	515.299	515.220	515.247	515.296	2
3	515.316	515.360	515.384	515.412	515.568	515.559	515.500	515.468	515.292	515.220	515.250	515.299	3
4	515.317	515.360	515.385	515.416	515.572	515.558	515.510	515.459	515.278	515.219	515.250	515.301	4
5	515.318	515.360	515.385	515.420	515.575	515.555	515.498	515.451	515.281	515.224	515.251	515.303	5
6	515.318	515.360	515.384	515.424	515.590	515.551	515.504	515.439	515.274	515.217	515.252	515.304	6
7	515.322	515.361	515.386	515.427	515.595	515.543	515.506	515.441	515.262	515.215	515.254	515.304	7
8	515.329	515.362	515.386	515.429	515.601	515.535	515.512	515.433	515.264	515.215	515.256	515.304	8
9	515.329	515.362	515.384	515.432	515.594	515.534	515.505	515.426	515.254	515.209	515.258	515.306	9
10	515.330	515.364	515.387	515.435	515.606	515.529	515.525	515.421	515.248	515.217	515.260	515.307	10
11	515.329	515.365	515.390	515.436	515.606	515.537	515.528	515.415	515.252	515.216	515.260	515.308	11
12	515.330	515.376	515.391	515.436	515.607	515.544	515.521	515.405	515.251	515.215	515.260	515.312	12
13	515.331	515.374	515.389	515.439	515.602	515.558	515.520	515.408	515.246	515.219	515.261	515.313	13
14	515.333	515.375	515.390	515.440	515.599	515.544	515.511	515.394	515.245	515.219	515.262	515.314	14
15	515.334	515.376	515.391	515.442	515.607	515.531	515.505	515.387	515.239	515.220	515.262	515.316	15
16	515.338	515.376	515.389	515.442	515.612	515.530	515.499	515.382	515.230	515.223	515.263	515.318	16
17	515.339	515.379	515.389	515.443	515.600	515.538	515.497	515.376	515.229	515.217	515.264	515.320	17
18	515.340	515.379	515.389	515.445	515.595	515.550	515.492	515.363	515.227	515.214	515.265	515.324	18
19	515.341	515.378	515.390	515.448	515.611	515.548	515.490	515.357	515.229	515.219	515.267	515.323	19
20	515.341	515.375	515.391	515.450	515.607	515.544	515.488	515.350	515.238	515.218	515.272	515.322	20
21	515.339	515.377	515.393	515.454	515.607	515.543	515.476	515.347	515.241	515.218	515.280	515.320	21
22	515.343	515.378	515.395	515.460	515.607	515.531	515.473	515.338	515.233	515.218	515.283	515.321	22
23	515.344	515.380	515.395	515.466	515.599	515.523	515.465	515.336	515.231	515.219	515.286	515.324	23
24	515.345	515.381	515.394	515.486	515.599	515.525	515.466	515.333	515.232	515.219	515.287	515.326	24
25	515.348	515.382	515.396	515.500	515.594	515.514	515.458	515.330	515.231	515.220	515.289	515.326	25
26	515.349	515.384	515.395	515.513	515.592	515.509	515.454	515.323	515.234	515.220	515.291	515.328	26
27	515.350	515.382	515.396	515.521	515.590	515.497	515.488	515.314	515.230	515.220	515.291	515.330	27
28	515.353	515.382	515.396	515.534	515.586	515.490	515.502	515.307	515.228	515.219	515.292	515.330	28
29	515.357		515.397	515.556	515.578	515.489	515.496	515.301	515.215	515.216	515.292	515.329	29
30	515.354		515.398	515.559	515.568	515.479	515.477	515.300	515.221	515.220	515.294	515.328	30
31	515.354		515.400		515.569		515.473	515.306		515.225		515.329	31
MEAN	515.335	515.371	515.391	515.456	515.592	515.535	515.493	515.382	515.248	515.218	515.268	515.316	MEAN
MAX	515.357	515.384	515.400	515.559	515.612	515.585	515.528	515.474	515.299	515.225	515.294	515.330	MAX
MIN	515.312	515.354	515.384	515.403	515.560	515.479	515.454	515.300	515.215	515.209	515.237	515.295	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 515.384
MAXIMUM DAILY, 515.612 ON MAY 16
MINIMUM DAILY, 515.209 ON OCT 09
MAXIMUM INSTANTANEOUS,
515.620 AT 13:40 CST ON MAY 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 50 N
LONG 106 00 30 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
669 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0B	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0B	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0B	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0B	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0B	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0B	0	0	0	0	0	0	---	---	9
10	---	---	0.001B	0B	0	0	0	0	0	0	---	---	10
11	---	---	0.008B	0	0	0	0.038	0	0	0	---	---	11
12	---	---	0.007B	0	0	0	0.229	0	0	0	---	---	12
13	---	---	0.003B	0	0	0	0.237	0	0	0	---	---	13
14	---	---	0.005B	0	0	0	0.115	0	0	0	---	---	14
15	---	---	0.003B	0	0	0	0.060	0	0	0	---	---	15
16	---	---	0.004B	0	0	0	0.030	0	0	0	---	---	16
17	---	---	0.004B	0	0	0	0.011	0	0	0	---	---	17
18	---	---	0.003B	0	0	0	0.005	0	0	0	---	---	18
19	---	---	0.003B	0	0	0	0.001	0	0	0	---	---	19
20	---	---	0.002B	0	0	0	0.001	0	0	0	---	---	20
21	---	---	0.001B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---		0 B	0		0	0	0		0		---	30
31	---		0 B										31
TOTAL	---	---	0.044	0	0	0	0.727	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0	0	0	0.024	0	0	0	---	---	MEAN
MAX	---	---	0.008	0	0	0	0.237	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0				MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.237 ON JUL 13
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.279 AT 02:41 CST ON JUL 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 41 N
LONG 108 22 50 W
DRAINAGE AREA, 244 km²
B - ICE CONDITIONS
REGULATED SINCE 1949

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	62.8
FEB	---	AUG	0
MAR	3.80	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 66.6 dam³

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.024B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.015	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.011	0	0	0.062	0	0	0	---	---	3
4	---	---	0 B	0.006	0	0	0.046	0	0	0	---	---	4
5	---	---	0 B	0.001	0	0	0.031	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0.020	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0.012	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0.010	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0.010	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0.003	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0.009B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.004B	0	0	0	0	0	0	0	---	---	13
14	---	---	0.001B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.002B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.003B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.002B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.003B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.011B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.005B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.001B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.001B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.002B	0	0	0	0	0	0	0	---	---	29
30	---		0.011B	0	0		0	0		0		---	30
31	---		0.035B				0						31
TOTAL	---	---	0.090	0.057	0	0	0.194	0	0	0	---	---	TOTAL
MEAN	---	---	0.003	0.002	0	0	0.006	0	0	0	---	---	MEAN
MAX	---	---	0.035	0.024	0	0	0.062	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0				MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.062 ON JUL 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.577 AT 02:07 CST ON JUL 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 03 N
LONG 101 50 52 W
DRAINAGE AREA, 350 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16.8
FEB	---	AUG	0
MAR	7.78	SEP	0
APR	4.92	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 29.5 dam³

ARCOLA INDEX RESERVOIR - STATION NO. 05NC006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	27.147E	28.370E	28.373	28.278	28.170	28.121	28.303	28.133	---	---	1
2	---	---	27.144E	28.380E	28.373	28.281	28.167	28.113	28.296	28.127	---	---	2
3	---	---	27.141E	28.386A	28.374	28.283	28.175	28.108	28.290	28.121	---	---	3
4	---	---	27.138E	28.386E	28.374	28.281	28.163	28.097	28.282	28.113	---	---	4
5	---	---	27.135E	28.386E	28.374	28.281	28.155	28.089	28.278	28.109	---	---	5
6	---	---	27.132E	28.385E	28.371	28.276	28.172	28.078	28.271	28.104	---	---	6
7	---	---	27.129E	28.385E	28.369	28.271	28.181	28.068	28.263	28.097	---	---	7
8	---	---	27.126E	28.384E	28.368	28.271	28.176	28.057	28.255	28.094	---	---	8
9	---	---	27.135E	28.383E	28.364	28.265	28.170	28.046	28.249	28.090	---	---	9
10	---	---	27.150E	28.383E	28.360	28.259	28.169	28.037	28.243	28.086	---	---	10
11	---	---	27.170E	28.382E	28.356	28.253	28.173	28.029	28.235	28.079	---	---	11
12	---	---	27.470A	28.381E	28.352	28.246	28.167	28.021	28.229	28.076	---	---	12
13	---	---	28.099	28.381E	28.351	28.235	28.159	28.013	28.220	28.071	---	---	13
14	---	---	28.119	28.380E	28.349	28.225	28.151	28.003	28.215	28.068	---	---	14
15	---	---	28.118	28.380E	28.345	28.220	28.140	27.996	28.206	28.065	---	---	15
16	---	---	28.119	28.379E	28.352	28.218	28.132	27.985	28.197	28.061	---	---	16
17	---	---	28.115	28.379E	28.354	28.231	28.122	27.982	28.190	28.057	---	---	17
18	---	---	28.113	28.376A	28.349	28.230	28.116	28.009	28.185	28.053	---	---	18
19	---	27.175A	28.112	28.375	28.346	28.226	28.112	28.019	28.179	28.050	---	---	19
20	---	---	28.110E	28.374	28.346	28.223	28.105	28.018	28.187	28.047	---	---	20
21	---	---	28.110E	28.373	28.346	28.214	28.098	28.015	28.188	28.044	---	---	21
22	---	---	28.109E	28.370	28.347	28.206	28.092	28.304	28.183	28.042	---	---	22
23	---	---	28.109E	28.370	28.342	28.198	28.084	28.322	28.177	28.043	---	---	23
24	---	---	28.108E	28.368	28.334	28.190	28.075	28.329	28.172	28.040	---	---	24
25	---	---	28.107E	28.377	28.324	28.183	28.067	28.319	28.164	28.037	---	---	25
26	---	---	28.107E	28.383	28.318	28.176	28.103	28.321	28.159	28.033	---	---	26
27	---	---	28.106E	28.381	28.312	28.181	28.148	28.325	28.150	28.030	---	---	27
28	---	---	28.104E	28.378	28.306	28.175	28.147	28.327	28.147	28.027	---	---	28
29	---		28.102E	28.375	28.298	28.168	28.138	28.322	28.143	28.023	---	---	29
30	---		28.216A	28.375	28.288	28.158	28.132	28.316	28.137	28.019A	---	---	30
31	---		28.300E		28.283		28.125	28.310		28.014E		---	31
MEAN	---	---	27.755	28.379	28.345	28.230	28.138	28.132	28.213	28.066	---	---	MEAN
MAX	---	---	28.300	28.386	28.374	28.283	28.181	28.327	28.303	28.133	---	---	MAX
MIN	---	---	27.126	28.368	28.283	28.158	28.067	27.982	28.137	28.014	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.386A ON APR 03
MINIMUM DAILY, 27.126E ON MAR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 08 N
LONG 102 34 06 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
1.4 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.687B	0.261B	0.143	0.004	0.001	0	0	0	---	---	1
2	---	0 B	0.960B	0.148B	0.146	0.004	0.001	0	0	0	---	---	2
3	---	0 B	0.838B	0.118B	0.157	0.005	0.001	0	0	0	---	---	3
4	---	0 B	0.644B	0.436B	0.188	0.005	0.001	0	0	0	---	---	4
5	---	0 B	0.875B	1.31 B	0.202	0.005	0.001	0	0	0	---	---	5
6	---	0 B	1.32 B	1.56 B	0.172	0.005	0.001	0	0	0	---	---	6
7	---	0 B	1.36 B	1.43	0.131	0.008	0.001	0	0	0	---	---	7
8	---	0 B	1.18 B	1.27	0.087	0.012	0.002	0	0	0	---	---	8
9	---	0 B	0.879B	1.12	0.070	0.004	0.001	0	0	0	---	---	9
10	---	0 B	0.393B	0.973	0.039	0.002	0.002	0.005E	0	0	---	---	10
11	---	0 B	0.399B	0.882	0.028	0.003	0.003	0.025E	0	0	---	---	11
12	---	0 B	0.343B	0.825	0.024	0.001	0.002	0.050E	0	0	---	---	12
13	---	0 B	0.217B	0.755	0.031	0.001	0.002	0.020E	0	0	---	---	13
14	---	0 B	0.290B	0.640	0.038	0.001	0.002	0.005E	0	0	---	---	14
15	---	0 B	0.131B	0.531	0.055	0.001	0.002	0 E	0	0	---	---	15
16	---	0 B	0.082B	0.454	0.120	0.001	0.001	0 E	0	0	---	---	16
17	---	0 B	0.127B	0.335	0.182	0.001	0.001	0 E	0	0	---	---	17
18	---	0 B	0.331B	0.264	0.103	0.001	0.001	0 E	0	0	---	---	18
19	---	0 B	0.597B	0.206	0.090	0.001	0.001	0 E	0	0	---	---	19
20	---	0 B	0.827B	0.140	0.066	0.001	0.001	0 E	0	0	---	---	20
21	---	0 B	0.631B	0.111	0.027	0.001	0.001	0 E	0	0	---	---	21
22	---	0 B	0.600B	0.128	0.027	0.001	0.001	0 E	0	0	---	---	22
23	---	0 B	0.808B	0.114	0.036	0.001	0.001	0 E	0	0	---	---	23
24	---	0 B	0.755B	0.093	0.030	0.001	0.001	0 E	0	0	---	---	24
25	---	0 B	0.509B	0.130	0.024	0.001	0.001	0 E	0	0	---	---	25
26	---	0 B	0.356B	0.135	0.029	0.001	0.001	0 E	0	0	---	---	26
27	---	0.002B	0.370B	0.138	0.021	0.001	0.001	0 E	0	0	---	---	27
28	---	0.447B	0.439B	0.127	0.010	0.001	0.001	0	0	0	---	---	28
29	---		0.511B	0.138	0.005	0.001	0.001	0	0	0	---	---	29
30	---		0.585B	0.135	0.004	0.001	0	0	0	0	---	---	30
31	---		0.462B		0.004		0	0		0		---	31
TOTAL	---	0.449	18.505	14.907	2.289	0.076	0.037	0.105	0	0	---	---	TOTAL
MEAN	---	0.016	0.597	0.497	0.074	0.003	0.001	0.003	0	0	---	---	MEAN
MAX	---	0.447	1.36	1.56	0.202	0.012	0.003	0.050	0	0	---	---	MAX
MIN	---	0	0.082	0.093	0.004	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.133
MAXIMUM DAILY, 1.56B ON APR 06
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
1.87B AT 12:20 CST ON MAR 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 12 N
LONG 105 11 28 W
DRAINAGE AREA, 1 910 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3.20
FEB	38.8	AUG	9.07
MAR	1 600	SEP	0
APR	1 290	OCT	0
MAY	198	NOV	---
JUN	6.57	DEC	---

TOTAL DISCHARGE, 3 150 dam³

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.254B	0.241B	0.162B	2.85B	26.3	4.54	0.581	0.155	0.123	0.014	0.027B	0.120B	1
2	0.252B	0.232B	0.158B	4.91B	24.2	3.94	0.529	0.144	0.111	0.014	0.028B	0.115B	2
3	0.251B	0.233B	0.151B	7.34B	22.2	3.41	0.546	0.136	0.115	0.010	0.031B	0.113B	3
4	0.252B	0.229B	0.146B	12.6 B	20.4	3.28	0.471	0.129	0.116	0.009	0.029B	0.120B	4
5	0.254B	0.221B	0.143B	12.7 B	18.5	2.98	0.434	0.112	0.104	0.008	0.031B	0.133B	5
6	0.256B	0.219B	0.138B	14.8 B	16.5	2.60	0.506	0.102	0.090	0.009	0.034B	0.125B	6
7	0.257B	0.215B	0.144B	19.6 B	14.8	2.52	0.503	0.097	0.088	0.009	0.034B	0.128B	7
8	0.258B	0.202B	0.163B	26.0 B	13.1	2.45	0.509	0.086	0.080	0.010	0.030B	0.130B	8
9	0.259B	0.190B	0.202B	28.7 B	11.6	2.29	0.508	0.069	0.075	0.011	0.028B	0.130B	9
10	0.260B	0.177B	0.182B	31.5 B	10.5	2.20	0.502	0.066	0.070	0.010	0.024B	0.130B	10
11	0.261B	0.176B	0.174B	37.5 B	9.72	1.96	0.520	0.065	0.059	0.010	0.020B	0.079B	11
12	0.262B	0.177B	0.227B	41.9 B	9.14	1.63	0.501	0.059	0.047	0.010	0.029B	0.149B	12
13	0.263B	0.178B	0.262B	49.8 B	8.54	1.59	0.481	0.066	0.030	0.007	0.051B	0.164B	13
14	0.264B	0.180B	0.230B	62.2 B	7.90	1.56	0.448	0.051	0.030	0.008	0.045B	0.155B	14
15	0.265B	0.182B	0.223B	70.7 B	7.33	1.46	0.404	0.043	0.027	0.008	0.050B	0.176B	15
16	0.264B	0.183B	0.248B	71.9 B	7.35	1.35	0.389	0.036	0.022	0.009	0.047B	0.186B	16
17	0.265B	0.182B	0.232B	71.8 B	8.82	1.34	0.390	0.033	0.019	0.008	0.052B	0.177B	17
18	0.266B	0.184B	0.217B	65.8 B	7.99	1.42	0.361	0.033	0.018	0.011	0.065B	0.161B	18
19	0.265B	0.181B	0.242B	60.5 B	7.06	1.31	0.339	0.032	0.015	0.011	0.072B	0.175B	19
20	0.266B	0.192B	0.245B	60.5 B	7.51	1.19	0.340	0.028	0.015	0.016	0.065B	0.178B	20
21	0.267B	0.208B	0.251B	60.9 B	7.11	1.10	0.330	0.014	0.018	0.020	0.054B	0.178B	21
22	0.266B	0.204B	0.255B	60.4	8.19	0.996	0.311	0.020	0.023	0.014	0.065B	0.180B	22
23	0.267B	0.209B	0.258B	58.8	8.25	0.974	0.300	0.009	0.022	0.013	0.086B	0.178B	23
24	0.268B	0.180B	0.262B	56.5	9.40	0.934	0.272	0.029	0.014	0.012	0.097B	0.178B	24
25	0.267B	0.177B	0.266B	53.5	9.09	0.869	0.252	0.032	0.016	0.011	0.113B	0.175B	25
26	0.266B	0.191B	0.268B	48.1	7.57	0.804	0.244	0.030	0.011	0.009	0.108B	0.175B	26
27	0.265B	0.180B	0.258B	42.2	6.59	0.755	0.285	0.184	0.010	0.010	0.110B	0.165B	27
28	0.264B	0.169B	0.256B	36.6	6.23	0.732	0.236	0.188	0.013	0.017	0.103B	0.155B	28
29	0.263B		0.287B	32.3	5.85	0.668	0.213	0.168	0.015	0.018	0.105B	0.145B	29
30	0.262B		0.390B	29.0	5.40	0.619	0.193	0.142	0.018	0.018	0.120B	0.135B	30
31	0.260B		0.793B		4.95		0.168	0.126		0.023		0.125B	31
TOTAL	8.109	5.491	7.433	1 231.90	338.89	53.491	12.066	2.484	1.412	0.367	1.753	4.633	TOTAL
MEAN	0.262	0.196	0.240	41.1	10.9	1.78	0.389	0.080	0.047	0.012	0.058	0.150	MEAN
MAX	0.268	0.241	0.793	71.9	26.3	4.54	0.581	0.188	0.123	0.023	0.120	0.186	MAX
MIN	0.251	0.169	0.138	2.85	4.95	0.619	0.168	0.009	0.010	0.007	0.020	0.079	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.57
MAXIMUM DAILY, 71.9B ON APR 16
MINIMUM DAILY, 0.007 ON OCT 13
MAXIMUM INSTANTANEOUS,
72.5B AT 17:19 CST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 53 N
LONG 101 54 58 W
DRAINAGE AREA, 13 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	701	JUL	1 040
FEB	474	AUG	215
MAR	642	SEP	122
APR	106 000	OCT	31.7
MAY	29 300	NOV	151
JUN	4 620	DEC	400

TOTAL DISCHARGE, 144 000 dam³

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.050B	0.248B	4.33	1.73	0.068	0.035	0.006	0.001	---	---	1
2	---	---	0.052B	1.28 B	3.95	1.53	0.046	0.031	0.005	0.001	---	---	2
3	---	---	0.052B	3.66 B	3.59	1.33	0.041	0.031	0.003	0.001	---	---	3
4	---	---	0.052B	6.80 B	3.35	1.17	0.064	0.029	0.004	0.001	---	---	4
5	---	---	0.052B	5.53 B	2.98	1.14	0.087	0.028	0.004	0.001	---	---	5
6	---	---	0.052B	7.02 B	2.64	0.961	0.119	0.025	0.004	0.001	---	---	6
7	---	---	0.052B	9.92 B	2.42	0.834	0.129	0.022	0.002	0.001	---	---	7
8	---	---	0.053B	12.6 B	2.31	0.700	0.126	0.019	0.002	0.001	---	---	8
9	---	---	0.056B	11.0 B	2.27	0.581	0.128	0.016	0.005	0.001	---	---	9
10	---	---	0.059B	9.37 B	2.26	0.394	0.123	0.015	0.003	0.001	---	---	10
11	---	---	0.062B	8.63 B	2.26	0.207	0.107A	0.016	0.002	0.001	---	---	11
12	---	---	0.065B	8.42 B	2.14	0.162	0.102A	0.016	0.001	0.001	---	---	12
13	---	---	0.068B	7.65 B	2.05	0.146	0.119	0.016	0.001	0.001	---	---	13
14	---	---	0.071B	7.24 B	1.93	0.134	0.119	0.016	0.001	0.001	---	---	14
15	---	---	0.074B	6.80 B	1.88	0.125	0.130	0.015	0.001	0.001	---	---	15
16	---	---	0.078B	6.40 B	1.87	0.122	0.136	0.011	0.001	0.001	---	---	16
17	---	---	0.080B	6.00 B	1.76	0.123	0.132	0.008	0.001	0.001	---	---	17
18	---	---	0.083B	6.02 B	1.71	0.122	0.143	0.005	0.001	0.001	---	---	18
19	---	---	0.086B	6.29	1.66	0.118	0.164	0.004	0.001	0.001	---	---	19
20	---	---	0.090B	7.32	1.64	0.115	0.183	0.001	0.001	0.001	---	---	20
21	---	---	0.093B	8.56	1.61	0.114	0.175	0.001	0.001	0.001	---	---	21
22	---	---	0.094B	9.15	2.02	0.113	0.142	0.004	0.001	0.001	---	---	22
23	---	---	0.094B	9.01	1.97	0.111	0.116	0.006	0.001	0.001	---	---	23
24	---	---	0.095B	8.65	2.20	0.111	0.108	0.004	0.001	0.001	---	---	24
25	---	---	0.095B	8.13	2.82	0.110	0.098	0.010	0.001	0.001	---	---	25
26	---	0.033B	0.098B	7.54	2.97	0.108	0.086	0.006	0.001	0.001	---	---	26
27	---	0.040B	0.105B	6.69	2.88	0.105	0.081	0.010	0.001	0.001	---	---	27
28	---	0.045B	0.110B	5.98	2.73	0.106	0.073	0.006	0.001	0.001	---	---	28
29	---		0.113B	5.26	2.54	0.105	0.064	0.003	0.001	0.001	---	---	29
30	---		0.118B	4.72	2.23	0.090	0.055	0.005	0.001	0.001	---	---	30
31	---		0.132B		1.93		0.044	0.006		0.001A		---	31
TOTAL	---	---	2.434	211.488	74.90	12.817	3.308	0.422	0.059	0.031	---	---	TOTAL
MEAN	---	---	0.079	7.05	2.42	0.427	0.107	0.014	0.002	0.001	---	---	MEAN
MAX	---	---	0.132	12.6	4.33	1.73	0.183	0.035	0.006	0.001	---	---	MAX
MIN	---	---	0.050	0.248	1.61	0.090	0.041	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.25
MAXIMUM DAILY, 12.6B ON APR 08
MINIMUM DAILY, 0.001 ON AUG 20
MAXIMUM INSTANTANEOUS,
14.1B AT 14:40 CST ON APR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 56 23 N
LONG 102 32 49 W
DRAINAGE AREA, 1 930 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	286
FEB	---	AUG	36.5
MAR	210	SEP	5.10
APR	18 300	OCT	2.68
MAY	6 470	NOV	---
JUN	1 110	DEC	---

TOTAL DISCHARGE, 26 400 dam³

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.015B	0.100B	0.013E	0.114	0.117	0.017	0	0	---	---	1
2	---	---	0.012B	0.095B	0.008E	0.137	0.103	0.003	0	0	---	---	2
3	---	---	0.010B	0.089	0.005E	0.059	0.114	0.062	0	0	---	---	3
4	---	---	0.005B	0.081	0.001A	0.008	0.066	0.075	0	0	---	---	4
5	---	---	0.002B	0.071	0.001	0.004	0.048	0.075	0	0	---	---	5
6	---	---	0.001B	0.069	0	0.012	0.077	0.082	0	0	---	---	6
7	---	---	0.001B	0.068	0	0.028	0.121	0.078	0	0	---	---	7
8	---	---	0.001B	0.046	0	0.036	0.140	0.079	0	0	---	---	8
9	---	---	0.001B	0.034	0.005	0.007	0.111	0.066	0	0	---	---	9
10	---	---	0.001B	0.028	0.001	0.024	0.084	0.032	0	0	---	---	10
11	---	---	0.001B	0.027	0	0.013	0.067	0.022	0	0	---	---	11
12	---	---	0.034B	0.023	0	0.023	0.029	0.010	0	0	---	---	12
13	---	---	0.022B	0.023	0	0.029	0.036	0.007	0	0	---	---	13
14	---	---	0.034B	0.026	0	0.045	0.080	0	0	0	---	---	14
15	---	---	0.011B	0.021	0.008	0.050	0.056	0	0	0	---	---	15
16	---	---	0.017B	0.012	0.055	0.053	0.016	0	0	0	---	---	16
17	---	---	0.038B	0.002	0.024	0.060	0.007	0	0	0	---	---	17
18	---	---	0.026B	0.009	0.008	0.063	0.005	0	0	0	---	---	18
19	---	---	0.031B	0.012	0.004	0.065	0.070	0	0	0	---	---	19
20	---	---	0.072B	0.018	0	0.067	0.070	0	0	0	---	---	20
21	---	---	0.101B	0.012	0	0.074	0.067	0	0	0	---	---	21
22	---	---	0.064B	0.013	0	0.077	0.076	0	0	0	---	---	22
23	---	---	0.053B	0.011A	0	0.079	0.100	0	0	0	---	---	23
24	---	---	0.017B	0.001A	0	0.084	0.102	0	0	0	---	---	24
25	---	---	0.010B	0.009A	0	0.090	0.102	0	0	0	---	---	25
26	---	---	0.019B	0.020E	0	0.098	0.127	0	0	0	---	---	26
27	---	0B	0.054B	0.017A	0	0.108	0.098	0	0	0	---	---	27
28	---	0B	0.059B	0.012A	0	0.115	0.066	0	0	0	---	---	28
29	---		0.137B	0.008A	0	0.116	0.100	0	0	0A	---	---	29
30	---		0.293B	0.012A	0	0.109	0.067	0	0	0E	---	---	30
31	---		0.162B		0.012		0.018	0		0E		---	31
TOTAL	---	---	1.304	0.971	0.145	1.847	2.340	0.608	0	0	---	---	TOTAL
MEAN	---	---	0.042	0.032	0.005	0.062	0.076	0.020	0	0	---	---	MEAN
MAX	---	---	0.293	0.100	0.055	0.137	0.140	0.082	0	0	---	---	MAX
MIN	---	---	0.001	0.001	0	0.004	0.005	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.029
MAXIMUM DAILY, 0.293B ON MAR 30
MINIMUM DAILY, 0 ON MAY 06
MAXIMUM INSTANTANEOUS,
0.612B AT 08:36 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 50 N
LONG 104 49 27 W
DRAINAGE AREA, 9[illegible] km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	202
FEB	---	AUG	52.5
MAR	113	SEP	0
APR	83.9	OCT	0
MAY	12.5	NOV	---
JUN	160	DEC	---

TOTAL DISCHARGE, 624 dam³

AVONLEA INDEX RESERVOIR - STATION NO. 05JE010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	677.739	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	677.260	---	---	3
4	---	---	---	---	678.263	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	677.955	---	---	---	---	---	---	25
26	---	---	677.753	---	---	---	---	---	---	---	---	---	26
27	---	677.167	---	---	---	---	---	---	---	---	---	---	27
28	---	677.167E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	677.134	---	---	29
30	---		---	678.263E	---	677.928E	---	---	677.285E	---	---	---	30
31	---		677.885E		678.120		677.750E	677.516		677.122E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 678.263E ON APR 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 55 50 N
LONG 105 06 30 W

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
0.57 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

AVONLEA RESERVOIR NEAR AVONLEA - STATION NO. 05JE007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	596.711	597.499	597.719	597.621	597.345	597.108	596.902	596.718	---	---	1
2	---	---	596.706	597.617	597.723	597.599	597.337	597.101	596.900	596.712	---	---	2
3	---	---	596.707	597.673	597.728	597.604	597.330	597.083	596.885	596.697	---	---	3
4	---	---	596.705	597.703	597.734	597.596	597.306	597.075	596.880	596.690	---	---	4
5	---	---	596.705	597.728	597.743	597.575	597.306	597.065	596.876	596.687	---	---	5
6	---	---	596.705	597.750	597.744	597.575	597.308	597.053	596.869	596.680	---	---	6
7	---	---	596.710	597.761	597.723	597.562	597.293	597.038	596.862	596.681	---	---	7
8	---	---	596.714	597.765	597.714	597.559	597.292	597.019	596.853	596.683	---	---	8
9	---	---	596.711	597.757	597.712	597.561	597.297	597.008	596.841	596.683	---	---	9
10	---	---	596.715	597.751	597.712	597.563	597.299	597.002	596.841	596.671	---	---	10
11	---	---	596.713	597.758	597.706	597.546	597.318	596.995	596.836	596.663	---	---	11
12	---	---	596.718	597.765	597.706	597.536	597.327	596.991	596.831	596.665	---	---	12
13	---	---	596.737	597.767	597.701	597.525	597.317	596.983	596.807	596.664	---	---	13
14	---	---	596.750	597.765	597.701	597.517	597.306	596.977	596.805	596.659	---	---	14
15	---	---	596.754	597.762	597.699	597.504	597.300	596.973	596.804	596.661	---	---	15
16	---	---	596.753	597.755	597.701	597.493	597.296	596.964	596.800	596.658	---	---	16
17	---	---	596.753	597.762	597.712	597.486	597.276	596.950	596.788	596.653	---	---	17
18	---	---	596.753	597.765	597.710	597.479	597.265	596.950	596.781	596.656	---	---	18
19	---	---	596.760	597.768	597.702	597.459	597.253	596.945	596.779	596.650	---	---	19
20	---	---	596.759	597.768	597.700	597.449	597.237	596.949	596.761	596.637	---	---	20
21	---	---	596.756	597.764	597.698	597.436	597.225	596.948	596.754	596.640	---	---	21
22	---	---	596.749	597.761	597.700	597.432	597.206	596.949	596.751	596.640	---	---	22
23	---	---	596.748	597.754	597.700	597.424	597.194	596.945	596.752	596.633	---	---	23
24	---	---	596.750	597.757	597.702	597.415	597.177	596.930	596.751	596.636	---	---	24
25	---	---	596.754	597.752	597.695	597.405	597.153	596.924	596.753	596.641	---	---	25
26	---	---	596.755	597.746	597.680	597.393	597.142	596.924	596.738	596.626	---	---	26
27	---	596.702A	596.756	597.736	597.676	597.377	597.134	596.927	596.735	596.627	---	---	27
28	---	596.707	596.773	597.723	597.678	597.358	597.129	596.928	596.724	596.630	---	---	28
29	---		596.826	597.708	597.680	597.345	597.122	596.926	596.724	596.629A	---	---	29
30	---		597.031	597.705	597.665	597.341	597.124	596.922	596.713	596.629E	---	---	30
31	---		597.288		597.645		597.122	596.903		596.629E		---	31
MEAN	---	---	596.765	597.735	597.703	597.491	597.249	596.982	596.803	596.659	---	---	MEAN
MAX	---	---	597.288	597.768	597.744	597.621	597.345	597.108	596.902	596.718	---	---	MAX
MIN	---	---	596.705	597.499	597.645	597.341	597.122	596.903	596.713	596.626	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 597.768 ON APR 19

MAXIMUM INSTANTANEOUS,
597.782 AT 17:30 CST ON APR 19

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 10 N
LONG 105 00 23 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
908 km²

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.472B	0.335B	0.363B	0.689B	11.4B	18.0	9.16	5.93	2.04	1.91	3.45	1.53 B	1
2	0.419B	0.335B	0.359B	0.750B	12.9B	22.7	8.99	5.42	2.09	2.02	3.09	1.44 B	2
3	0.416B	0.350B	0.377B	0.945B	14.8B	23.7	8.76	4.91	2.00	2.32	2.88B	1.31 B	3
4	0.447B	0.370B	0.369B	1.08 B	21.2	22.3	13.4	4.55	2.04	2.88	2.82B	1.46 B	4
5	0.492B	0.400B	0.359B	3.10 B	33.9	20.4	17.7	4.20	2.14	3.31	2.81B	1.41 B	5
6	0.535B	0.438B	0.365B	3.52 B	45.2	18.4	17.5	3.89	2.16	3.35	2.67B	1.32 B	6
7	0.550B	0.435B	0.379B	3.52 B	51.3	16.7	16.0	3.54	2.13	3.40E	2.64B	1.39 B	7
8	0.611B	0.425B	0.393B	3.97 B	48.0	15.3	14.8	3.27	2.02	3.30E	2.51B	1.45 B	8
9	0.773	0.410B	0.426B	4.51 B	47.3	14.5	13.6	3.06	1.86	3.18E	2.28B	1.40 B	9
10	0.547	0.395B	0.428B	4.54 B	48.4	13.5	12.7	2.92	1.78	3.07E	2.05B	1.37 B	10
11	0.553	0.385B	0.427B	4.13 B	46.8	14.2	12.1	2.75	1.67	3.20E	1.91B	1.36 B	11
12	0.535	0.375B	0.428B	3.92 B	43.0	15.4	11.2	2.59	1.64	3.45E	1.85B	1.36 B	12
13	0.537	0.370B	0.423B	3.77 B	38.8	14.7	9.91	2.99	1.64	4.00E	1.80B	1.35 B	13
14	0.506	0.364B	0.400B	3.89 B	34.9	13.7	9.71	3.18	1.60	4.51E	1.71B	1.31 B	14
15	0.499	0.376B	0.376B	3.82 B	32.7	12.8	7.79	3.46	1.57	4.38E	1.75B	1.22 B	15
16	0.540	0.391B	0.407B	3.73 B	34.3	11.8	7.18	3.32	1.53	4.18A	1.89B	1.21 B	16
17	0.580	0.397B	0.440B	3.76 B	33.7	10.9	6.66	3.05	1.57	3.57	2.26B	1.19 B	17
18	0.520	0.367B	0.499B	3.87 B	31.7	10.3	6.25	2.85	1.62	3.76	2.23B	1.14 B	18
19	0.456	0.346B	0.572B	4.73 B	30.2	9.75	6.16	2.72	1.68	3.63	2.06B	1.08 B	19
20	0.403	0.340B	0.544B	6.47 B	29.4	9.22	6.20	2.60	1.73	3.94	1.89B	0.972B	20
21	0.447	0.338B	0.526B	7.61 B	28.6	8.78	6.02	2.50	1.80	3.48	1.86B	0.879B	21
22	0.506	0.328B	0.479B	8.29 B	27.7	8.34	5.57	2.47	1.92	3.43	1.86B	0.730B	22
23	0.534	0.313B	0.479B	10.2 B	26.1	7.73	5.15	2.41	2.06	3.60	1.76B	0.740B	23
24	0.530	0.302B	0.469B	10.2 B	24.3	7.30	4.84	2.36	2.06	3.57	1.69B	0.666B	24
25	0.520B	0.310B	0.485B	9.67 B	22.8	6.87	4.63	2.30	2.03	3.41	1.69B	0.664B	25
26	0.510B	0.314B	0.459B	7.39 B	21.4	6.49	4.41	2.25	1.99	3.56	1.68B	0.670B	26
27	0.475B	0.327B	0.419B	7.09 B	19.9	6.52	3.96	2.16	1.96	3.42	1.63B	0.690B	27
28	0.440B	0.340B	0.405B	7.56 B	18.2	9.16	7.02	2.11	1.94	3.77	1.54B	0.712B	28
29	0.400B		0.461B	6.36 B	16.9	9.21	7.72	2.08	1.89	4.17	1.52B	0.665B	29
30	0.370B		0.582B	8.83 B	15.7	8.98	7.26	2.04	1.86	3.65	1.54B	0.649B	30
31	0.350B		0.646B		14.9		6.60	2.02		3.02		0.588B	31
TOTAL	15.475	10.176	13.744	151.914	926.4	387.65	279.95	95.90	56.02	105.89	63.20	33.925	TOTAL
MEAN	0.499	0.363	0.443	5.06	29.9	12.9	9.03	3.09	1.87	3.42	2.11	1.09	MEAN
MAX	0.773	0.438	0.646	10.2	51.3	23.7	17.7	5.93	2.16	4.51	3.45	1.53	MAX
MIN	0.350	0.302	0.359	0.689	11.4	6.49	4.41	2.02	1.53	1.91	1.52	0.588	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.86
MAXIMUM DAILY, 51.3 ON MAY 07
MINIMUM DAILY, 0.302B ON FEB 24
MAXIMUM INSTANTANEOUS,
52.0 AT 07:09 CST ON MAY 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 33 40 N
LONG 103 56 30 W
DRAINAGE AREA, 1 870 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 340	JUL	24 200
FEB	879	AUG	8 290
MAR	1 190	SEP	4 840
APR	13 100	OCT	9 150
MAY	80 000	NOV	5 460
JUN	33 500	DEC	2 930

TOTAL DISCHARGE, 185 000 dam³

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.123B	2.43	0.452	0.264	0.188	0.151	0.025	0.092	---	---	1
2	---	---	0.150B	2.43	0.528	0.252	0.166	0.149	0.023	0.093	---	---	2
3	---	---	0.193B	1.54	0.543	0.325	0.235	0.104	0.020	0.094	---	---	3
4	---	---	0.199B	0.768	0.516	0.276	0.203	0.112	0.017	0.095	---	---	4
5	---	---	0.183B	0.598	0.470	0.282	0.137	0.074	0.013	0.096	---	---	5
6	---	---	0.258B	0.472	0.431	0.273	0.231	0.044	0.014	0.097	---	---	6
7	---	---	0.301B	0.389	0.419	0.284	0.203	0.064	0.009	0.098	---	---	7
8	---	---	0.304B	0.349B	0.462	0.344	0.140	0.050	0.007	0.099	---	---	8
9	---	---	0.293B	0.301B	0.461	0.238	0.092	0.032	0.008	0.099	---	---	9
10	---	---	0.206B	0.294B	0.503	0.180	0.072	0.023	0.014	0.100	---	---	10
11	---	---	0.222B	0.323B	0.450	0.180	0.051	0.023	0.011	0.100	---	---	11
12	---	---	0.170B	0.288B	0.433	0.211	0.039	0.025	0.007	0.101	---	---	12
13	---	---	0.147B	0.325B	0.440	0.650	0.036	0.022	0.009	0.102	---	---	13
14	---	---	0.163B	0.369	0.399	0.978	0.037	0.016	0.007	0.103	---	---	14
15	---	---	0.164B	0.398	0.560	0.698	0.038	0.018	0.008	0.104	---	---	15
16	---	---	0.149B	0.409	0.475	0.594	0.043	0.017	0.007	0.105	---	---	16
17	---	---	0.134B	0.377	0.417	0.525	0.070	0.020	0.042	0.106	---	---	17
18	---	---	0.120B	0.432	0.396	0.460	0.083	0.038	0.030	0.107	---	---	18
19	---	---	0.155B	0.512	0.422	0.416	0.163	0.050	0.028	0.108	---	---	19
20	---	---	0.270B	0.543	0.397	0.430	0.169	0.047	0.030	0.109	---	---	20
21	---	0.084E	0.224B	0.573	0.422	0.507	0.159	0.046	0.044	0.109	---	---	21
22	---	0.129B	0.162B	0.637	0.383	0.403	0.052	0.035	0.099	0.109	---	---	22
23	---	0.157B	0.153B	0.564	0.330	0.329	0.036	0.036	0.091	0.110	---	---	23
24	---	0.104B	0.151B	0.500	0.342	0.304	0.033	0.036	0.082	0.112	---	---	24
25	---	0.167B	0.178B	0.453	0.615	0.249	0.129	0.061	0.052	0.114	---	---	25
26	---	0.141B	0.212B	0.480	0.565	0.208	0.203	0.096	0.069	0.106	---	---	26
27	---	0.070B	0.226B	0.496	0.484	0.190	0.438	0.095	0.079	0.107	---	---	27
28	---	0.087B	0.243B	0.466	0.411	0.229	0.558	0.069	0.075	0.110	---	---	28
29	---		0.293B	0.414	0.350	0.285	0.356	0.044	0.086	0.109A	---	---	29
30	---		1.29 B	0.420	0.339	0.200	0.402	0.034	0.089	0.110E	---	---	30
31	---		3.18 B		0.309		0.200	0.028		0.110E		---	31
TOTAL	---	---	10.116	18.550	13.724	10.764	4.962	1.659	1.095	3.214	---	---	TOTAL
MEAN	---	---	0.326	0.618	0.443	0.359	0.160	0.054	0.037	0.104	---	---	MEAN
MAX	---	---	3.18	2.43	0.615	0.978	0.558	0.151	0.099	0.114	---	---	MAX
MIN	---	---	0.120	0.288	0.309	0.180	0.033	0.016	0.007	0.092	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.262
MAXIMUM DAILY, 3.18B ON MAR 31
MINIMUM DAILY, 0.007 ON SEP 08
MAXIMUM INSTANTANEOUS,
5.73B AT 23:58 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 55 N
LONG 110 00 15 W
DRAINAGE AREA, 111 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	429
FEB	---	AUG	143
MAR	874	SEP	94.6
APR	1 600	OCT	278
MAY	1 190	NOV	---
JUN	930	DEC	---

TOTAL DISCHARGE, 5 540 dam³

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.38 B	1.14	0.704	0.805	0.045	0.043	0.002	0	---	---	1
2	---	---	3.80 B	1.04	0.688	0.516	0.034	0.113	0.001	0	---	---	2
3	---	---	7.72 B	0.864	0.701	0.403	0.023	0.133	0.001	0	---	---	3
4	---	---	8.15 B	1.25	0.648	0.278	0.018	0.117	0	0	---	---	4
5	---	---	8.41 B	2.71	0.310	0.748	0.016	0.085	0	0	---	---	5
6	---	---	7.41 B	1.40	0.164	1.11	0.027	0.265	0	0	---	---	6
7	---	---	5.35 B	0.893	0.168	1.21	0.031	0.276	0	0	---	---	7
8	---	---	3.51 B	0.634	1.12	1.12	0.022	0.205	0	0	---	---	8
9	---	---	1.96 B	0.393	1.09	0.895	0.015	0.143	0	0	---	---	9
10	---	---	1.17 B	0.437	1.10	0.744	0.011	0.106	0	0	---	---	10
11	---	---	0.876B	0.548	0.859	0.587	0.007	0.093	0	0	---	---	11
12	---	---	0.528B	0.773	0.547	0.474	0.008	0.089	0	0	---	---	12
13	---	---	0.363B	0.819	0.710	0.429	0.026	0.075	0	0	---	---	13
14	---	---	0.315B	0.691	0.827	0.414	0.022	0.059	0	0	---	---	14
15	---	---	0.413B	0.573	0.745	0.360	0.019	0.037	0	0	---	---	15
16	---	---	0.562B	0.600	0.811	0.334	0.018	0.027	0	0	---	---	16
17	---	---	0.381B	0.552	0.847	0.308	0.015	0.024	0	0	---	---	17
18	---	---	0.379B	0.657	0.800	0.289	0.032	0.022	0	0	---	---	18
19	---	---	0.512B	0.489	0.724	0.249	0.064	0.017	0	0	---	---	19
20	---	---	0.600B	0.388	0.677	0.221	0.067	0.017	0	0	---	---	20
21	---	---	0.550B	0.372	0.859	0.204	0.073	0.021	0	0	---	---	21
22	---	---	0.362B	0.377	1.12	0.182	0.076	0.013	0	0	---	---	22
23	---	---	0.331B	0.380	1.11	0.136	0.073	0.010	0	0	---	---	23
24	---	---	0.314B	0.452	1.33	0.178	0.061	0.009	0	0	---	---	24
25	---	---	0.233B	0.419	1.15	0.166	0.062	0.007	0	0	---	---	25
26	---	---	0.207B	0.467	0.784	0.124	0.117	0.005	0	0	---	---	26
27	---	0.800B	0.279B	0.596	0.934	0.113	0.225	0.005	0	0	---	---	27
28	---	1.02 B	0.404B	0.760	0.836	0.081	0.129	0.004	0	0	---	---	28
29	---		0.711B	0.741	0.599	0.079	0.089	0.004	0	0	---	---	29
30	---		0.913B	0.716	0.721	0.066	0.065	0.003	0	0	---	---	30
31	---		1.44		1.09		0.042	0.002		0		---	31
TOTAL	---	---	60.563	22.131	24.973	12.823	1.532	2.029	0.004	0	---	---	TOTAL
MEAN	---	---	1.95	0.738	0.806	0.427	0.049	0.065	0	0	---	---	MEAN
MAX	---	---	8.41	2.71	1.33	1.21	0.225	0.276	0.002	0	---	---	MAX
MIN	---	---	0.207	0.372	0.164	0.066	0.007	0.002	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.506
MAXIMUM DAILY, 8.41B ON MAR 05
MINIMUM DAILY, 0 ON SEP 04
MAXIMUM INSTANTANEOUS,
9.92B AT 14:30 CST ON MAR 04

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 07 N
LONG 109 25 18 W
DRAINAGE AREA, 2 580 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	132
FEB	---	AUG	175
MAR	5 230	SEP	0.346
APR	1 910	OCT	0
MAY	2 160	NOV	---
JUN	1 110	DEC	---

TOTAL DISCHARGE, 10 700 dam³

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.900E	0.753	0.464	0.073	0.159	0.019	0	0.165A	---	1
2	---	---	---	1.15 E	0.820	0.345	0.072	0.141	0.018	0	---	---	2
3	---	---	---	1.35 A	0.503	0.426	0.062	0.137	0.006	0	---	---	3
4	---	---	---	2.68	0.176	1.21	0.057	0.202	0.008	0	---	---	4
5	---	---	---	1.30	0.158	1.21	0.059	0.128	0.006	0	---	---	5
6	---	---	---	0.783	0.813	1.30	0.116	0.108	0.006	0	---	---	6
7	---	---	---	0.529	1.22	1.17	0.155	0.081	0.004	0	---	---	7
8	---	---	---	0.309	1.17	0.973	0.144	0.097	0.001	0	---	---	8
9	---	---	---	0.524B	1.20	0.795	0.073	0.097	0	0	---	---	9
10	---	---	---	0.556B	0.831	0.646	0.094	0.101	0	0	---	---	10
11	---	---	---	0.707B	0.594	0.539	0.100	0.073	0.003	0	---	---	11
12	---	---	---	0.776	0.949	0.455	0.098	0.082	0.006	0	---	---	12
13	---	---	---	0.609	0.912	0.415	0.104	0.089	0.006	0	---	---	13
14	---	---	---	0.512	0.858	0.379	0.112	0.080	0.006	0	---	---	14
15	---	---	---	0.460	0.967	0.366	0.102	0.057	0.007	0	---	---	15
16	---	---	---	0.472	0.968	0.355	0.113	0.051	0.005	0	---	---	16
17	---	---	---	0.396	0.925	0.334	0.124	0.052	0.002	0	---	---	17
18	---	---	---	0.370	0.800	0.310	0.120	0.036	0	0	---	---	18
19	---	---	---	0.358	0.801	0.290	0.111	0.033	0.010	0	---	---	19
20	---	---	---	0.363	1.08	0.226	0.131	0.016	0	0	---	---	20
21	---	---	---	0.368	1.27	0.275	0.129	0.026	0	0	---	---	21
22	---	---	---	0.404	1.35	0.246	0.130	0.017	0	0	---	---	22
23	---	---	---	0.431	1.37	0.178	0.113	0.017	0	0	---	---	23
24	---	---	---	0.417	0.980	0.251	0.120	0.019	0	0.344	---	---	24
25	---	---	---	0.557	0.858	0.182	0.140	0.015	0	0.357	---	---	25
26	---	---	---	0.708	0.998	0.176	0.144	0.022	0	0.293	---	---	26
27	---	---	---	0.822	0.899	0.126	0.127	0.030	0	0.163	---	---	27
28	---	---	---	0.785	0.611	0.099	0.117	0.020	0	0.177	---	---	28
29	---	---	---	0.760	0.950	0.090	0.126	0.012	0	0.131	---	---	29
30	---		---	0.768	1.13	0.082	0.136	0.011	0	0.143	---	---	30
31	---		---		0.741		0.166	0.020		0.141		---	31
TOTAL	---	---	---	21.124	27.655	13.913	3.468	2.032	0.113	1.749	---	---	TOTAL
MEAN	---	---	---	0.704	0.892	0.464	0.112	0.066	0.004	0.056	---	---	MEAN
MAX	---	---	---	2.68	1.37	1.30	0.166	0.202	0.019	0.357	---	---	MAX
MIN	---	---	---	0.309	0.158	0.082	0.057	0.011	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.327
MAXIMUM DAILY, 2.68 ON APR 04
MINIMUM DAILY, 0 ON SEP 09
MAXIMUM INSTANTANEOUS,
3.20 AT 14:42 CST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 09 52 N
LONG 109 27 52 W
DRAINAGE AREA, 2 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	300
FEB	---	AUG	176
MAR	---	SEP	9.76
APR 1	830	OCT	151
MAY 2	390	NOV	---
JUN 1	200	DEC	---

TOTAL DISCHARGE, 6 060 dam³

REMARKS - THE PEAK DISCHARGE LIKELY OCCURRED IN EARLY MARCH, OUTSIDE THE STANDARD PERIOD

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.050B	1.24	0.650	0.851	0.112	0.372	0.097	0.022	---	---	1
2	---	---	0.075B	1.34	0.866	0.751	0.150	0.322	0.083	0.020	---	---	2
3	---	---	0.190B	1.04	0.934	0.424	0.192	0.313	0.068	0.020	---	---	3
4	---	---	0.084B	0.772	1.02	0.392	0.169	0.200	0.060	0.028	---	---	4
5	---	---	0.055B	0.170	0.994	0.256	0.206	0.165	0.059	0.018	---	---	5
6	---	---	0.021B	1.00	0.897	0.086	0.296	0.144	0.045	0.035	---	---	6
7	---	---	0.015B	0.749	0.915	0.073	0.252	0.128	0.042	0.091	---	---	7
8	---	---	0.017B	0.438	0.871	0.065	0.220	0.132	0.038	0.050	---	---	8
9	---	---	0.018B	0.557	0.907	0.031	0.216	0.094	0.034	0.099	---	---	9
10	---	---	0.234B	0.264	0.813	0.016	0.198	0.093	0.038	0.091	---	---	10
11	---	---	1.16 B	0.209	0.890	0.017	0.181	0.085	0.030	0.101	---	---	11
12	---	---	0.860B	0.210	0.940	0.013	0.148	0.079	0.023	0.126	---	---	12
13	---	---	0.747B	0.227	1.05	0.009	0.152	0.075	0.018	0.116	---	---	13
14	---	---	0.178B	0.152	0.907	0.008	0.135	0.074	0.023	0.136	---	---	14
15	---	---	0.052B	0.144	0.981	0.007	0.122	0.051	0.018	0.136	---	---	15
16	---	---	0.034B	0.159	0.847	0.294	0.128	0.041	0.015	0.164	---	---	16
17	---	---	0.019B	0.172	1.08	0.115	0.119	0.058	0.015	0.190	---	---	17
18	---	---	0.018B	0.150	1.08	0.032	0.110	0.083	0.014	0.174	---	---	18
19	---	0.127B	0.092B	0.147	0.867	0.016	0.113	0.090	0.012	0.248	---	---	19
20	---	0.125B	0.641B	0.146	0.782	0.016	0.116	0.090	0.011	0.187	---	---	20
21	---	0.125B	0.769B	0.241	0.951	0.015	0.128	0.131	0.011	0.179	---	---	21
22	---	0.122B	0.769B	0.352	0.979	0.015	0.150	0.121	0.012	0.201	---	---	22
23	---	0.120B	0.783B	0.467	0.848	0.017	0.196	0.131	0.012	0.198	---	---	23
24	---	0.110B	0.664B	0.737	0.911	0.077	0.190	0.117	0.010	0.187	---	---	24
25	---	0.100B	0.734B	0.705	0.970	0.110	0.129	0.147	0.010	0.233	---	---	25
26	---	0.085B	0.650B	0.615	1.12	0.188	0.099	0.149	0.010	0.208	---	---	26
27	---	0.060B	0.601B	0.589	1.24	0.187	0.277	0.164	0.012	0.208	---	---	27
28	---	0.050B	0.576B	0.556	1.01	0.160	0.552	0.130	0.014	0.236	---	---	28
29	---		0.369	0.638	0.827	0.157	0.495	0.105	0.019	0.291	---	---	29
30	---		0.559	0.804	0.741	0.089	0.724	0.098	0.020	0.295E	---	---	30
31	---		0.895		0.828		0.364	0.097		0.300E		---	31
TOTAL	---	---	11.929	14.990	28.716	4.487	6.639	4.079	0.873	4.588	---	---	TOTAL
MEAN	---	---	0.385	0.500	0.926	0.150	0.214	0.132	0.029	0.148	---	---	MEAN
MAX	---	---	1.16	1.34	1.24	0.851	0.724	0.372	0.097	0.300	---	---	MAX
MIN	---	---	0.015	0.144	0.650	0.007	0.099	0.041	0.010	0.018	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.311
MAXIMUM DAILY, 1.34 ON APR 02
MINIMUM DAILY, 0.007 ON JUN 15
MAXIMUM INSTANTANEOUS,
5.07 AT 17:59 CST ON APR 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 01 N
LONG 109 38 39 W
DRAINAGE AREA, 681 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	574
FEB	---	AUG	352
MAR 1	030	SEP	75.4
APR 1	300	OCT	396
MAY 2	480	NOV	---
JUN	388	DEC	---

TOTAL DISCHARGE, 6 600 dam³

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB096

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.800E	0.860E	1.42	0.166	0.463	0.042E	0.002E	0.265A	---	1
2	---	---	---	1.26 E	0.810E	1.63	0.166	0.709	0.033E	0.003E	---	---	2
3	---	---	---	1.80 E	0.760E	1.75	0.164	0.405	0.022E	0.003E	---	---	3
4	---	---	---	2.11 A	1.01 E	1.33	0.142	0.257	0.020E	0.003E	---	---	4
5	---	---	---	1.52	1.09 E	0.993	0.119	0.262	0.017E	0.004E	---	---	5
6	---	---	---	0.819	1.20 E	0.565	0.117	0.250	0.012E	0.004E	---	---	6
7	---	---	---	1.18	0.760E	0.482	0.117	0.212	0.010E	0.005E	---	---	7
8	---	---	---	1.13	0.350E	0.338	0.139	0.189	0.008E	0.005E	---	---	8
9	---	---	---	0.892	0.195A	0.249	0.154	0.165	0.007E	0.006E	---	---	9
10	---	---	---	0.661	0.404	0.218	0.200	0.140	0.006E	0.007E	---	---	10
11	---	---	---	0.715	0.620	0.181	0.184	0.123	0.005E	0.008E	---	---	11
12	---	---	---	0.523	0.543	0.170	0.170	0.122	0.004E	0.010E	---	---	12
13	---	---	---	0.442	0.561	0.153	0.165	0.112	0.004E	0.014E	---	---	13
14	---	---	---	0.414	0.693	0.128	0.173	0.103	0.003E	0.021E	---	---	14
15	---	---	---	0.427	0.715	0.123	0.159	0.088	0.003E	0.026E	---	---	15
16	---	---	---	0.371	0.646	0.110	0.159	0.076	0.003E	0.037E	---	---	16
17	---	---	---	0.316	0.576	0.104	0.152	0.076	0.002E	0.060E	---	---	17
18	---	---	---	0.338	0.672	0.095	0.142	0.074	0.002E	0.094A	---	---	18
19	---	---	---	0.344	0.981	0.087	0.137	0.065	0.002A	0.116	---	---	19
20	---	---	---	0.338	1.32	0.117	0.129	0.056	0.002A	0.132	---	---	20
21	---	---	---	0.427	1.46	0.164	0.125	0.053	0.002E	0.128	---	---	21
22	---	---	---	0.409	1.50	0.146	0.120	0.049	0.002E	0.161	---	---	22
23	---	---	---	0.518	1.12	0.137	0.120	0.044	0.002E	0.142	---	---	23
24	---	---	---	0.605	1.22	0.125	0.110	0.037	0.002E	0.129	---	---	24
25	---	---	---	0.812	1.65	0.111	0.129	0.038	0.002E	0.160	---	---	25
26	---	---	---	0.785	1.83	0.098	0.168	0.035	0.002E	0.175	---	---	26
27	---	---	---	0.754A	1.74	0.084	0.213	0.041	0.002E	0.160	---	---	27
28	---	---	---	0.710E	2.10	0.079	0.237	0.062	0.002E	0.187	---	---	28
29	---	---	---	0.685E	1.99	0.072	0.209	0.071A	0.002E	0.177	---	---	29
30	---		---	0.645E	1.68	0.089	0.181	0.060E	0.002E	0.190	---	---	30
31	---		---		1.63		0.188	0.052E		0.202		---	31
TOTAL	---	---	---	22.810	32.686	11.348	4.854	4.489	0.227	2.371	---	---	TOTAL
MEAN	---	---	---	0.760	1.05	0.378	0.157	0.145	0.008	0.077	---	---	MEAN
MAX	---	---	---	2.11	2.10	1.75	0.237	0.709	0.042	0.202	---	---	MAX
MIN	---	---	---	0.336	0.195	0.072	0.110	0.035	0.002	0.002	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.368
MAXIMUM DAILY, 2.13A ON APR 04
MINIMUM DAILY, 0.002E ON SEP 17
MAXIMUM INSTANTANEOUS,
2.42 AT 00:00 CST ON APR 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 12 N
LONG 109 31 22 W
DRAINAGE AREA, 1 850 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	419
FEB	---	AUG	388
MAR	---	SEP	19.6
APR	1 970	OCT	205
MAY	2 820	NOV	---
JUN	980	DEC	---

TOTAL DISCHARGE, 6 800 dam³

REMARKS - THE PEAK DISCHARGE LIKELY OCCURRED IN EARLY MARCH, OUTSIDE THE STANDARD PERIOD

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.601B	24.4B	25.9	14.9	11.0	53.6	13.0 A	4.69	4.48B	---	1
2	---	---	0.601B	20.5B	25.1	12.0A	10.9	53.7	12.7	4.49	4.22B	---	2
3	---	---	0.601B	83.9B	24.1	12.0A	11.0	53.9	12.2	4.14	3.77B	---	3
4	---	---	0.601B	96.1B	23.6	12.0E	12.9A	53.8	11.7	4.21	3.73B	---	4
5	---	---	0.601B	90.8	22.9	15.1E	11.9A	53.1	11.2	4.20	3.02B	---	5
6	---	---	0.601B	80.7	22.6	15.1E	11.7	52.0	10.7	4.62	2.74B	---	6
7	---	---	0.620B	67.1	22.0	15.1E	11.3	50.8	10.4	4.81	3.14B	---	7
8	---	---	0.930B	58.8	21.9	15.2A	25.5	49.4	10.2	4.84	---	---	8
9	---	---	1.05 B	54.2	21.2	14.8	20.2	47.9	9.77	4.77	---	---	9
10	---	---	2.44 B	52.0	20.2	19.4A	27.4	46.2	9.55	4.74	---	---	10
11	---	---	2.43 B	51.3	19.4	22.7A	37.1	44.9	9.45	4.78	---	---	11
12	---	---	2.65 B	47.7	19.0	23.2A	41.4	42.8	9.09	4.84	---	---	12
13	---	---	4.37 B	43.8	18.9	24.2A	40.4	40.7	8.71	4.97	---	---	13
14	---	---	7.61 B	42.2	18.6	23.5	43.1	38.5	8.54	5.17	---	---	14
15	---	---	9.90 B	41.6	18.4	20.6	44.3	36.5	8.34	5.11	---	---	15
16	---	---	9.44 B	40.9	18.6	21.8	42.1	34.5	8.15	4.99	---	---	16
17	---	---	8.45 B	40.7	19.1	25.4	34.7	32.6	7.76	5.10	---	---	17
18	---	---	7.68 B	40.8	18.4	21.7	28.6	30.5	7.64	5.07	---	---	18
19	---	---	8.10 B	40.8	17.6	16.8	25.5	29.5	7.48	4.98	---	---	19
20	---	---	8.35 B	40.4	17.3	15.6	24.6	27.2	7.25	4.73	---	---	20
21	---	---	6.82 B	39.5	16.7	19.3	25.0	25.0	7.07	4.70	---	---	21
22	---	---	5.56 B	38.7	16.7	20.0	27.9	22.9	6.96	4.76	---	---	22
23	---	---	5.78 B	37.5	16.4	18.4	32.4	20.8	6.87	4.59	---	---	23
24	---	---	6.11 B	36.5	16.1	16.9	36.6	19.2	6.66	4.33	---	---	24
25	---	---	7.04 B	35.5	15.9	15.3	40.4	17.9	6.39	4.30	---	---	25
26	---	---	9.38 B	34.0	15.8	13.6	44.0	16.8	5.94	4.05	---	---	26
27	---	---	7.92 B	32.4	15.5	12.5	48.2	16.1	5.58	4.56	---	---	27
28	---	0.601B	7.18 B	30.7	15.2	11.7	49.9	15.5	5.28	4.98	---	---	28
29	---		6.95 B	29.1	15.2	11.2	51.9	14.8	5.10	5.24	---	---	29
30	---		7.16 B	27.3	15.1	10.9	52.7	14.2	4.90	5.05	---	---	30
31	---		8.61 B		15.1		52.9	13.6		5.02		---	31
TOTAL	---	---	155.856	1 450.0	588.0	519.9	981.1	1 067.9	254.58	146.93	---	---	TOTAL
MEAN	---	---	5.03	48.3	19.0	17.3	31.6	34.4	8.49	4.74	---	---	MEAN
MAX	---	---	9.90	96.1	25.9	25.4	52.9	53.9	13.0	5.24	---	---	MAX
MIN	---	---	0.601	24.4	15.1	10.9	10.9	13.6	4.90	4.05	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.1
MAXIMUM DAILY, 96.3B ON APR 04
MINIMUM DAILY, 0.601B ON MAR 01
MAXIMUM INSTANTANEOUS,
124B AT 12:56 CST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 07 N
LONG 108 20 09 W
DRAINAGE AREA, 29 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	84 800
FEB	---	AUG	92 300
MAR	13 500	SEP	22 000
APR	125 000	OCT	12 700
MAY	50 800	NOV	---
JUN	44 900	DEC	---

TOTAL DISCHARGE, 446 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE OCCURRED DURING A PERIOD OF RAPIDLY CHANGING BACKWATER

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.445B	1.56	0.470	0.146	0.012	0.050	0.031	0	---	---	1
2	---	---	0.456B	1.18	0.495	0.136	0.010	0.045	0.020	0	---	---	2
3	---	---	0.571B	1.11	0.505	0.165	0.008	0.035	0.012	0	---	---	3
4	---	---	1.05 B	0.980	0.460	0.172	0.008	0.029	0.005	0	---	---	4
5	---	---	1.63 B	0.708	0.390	0.157	0.007	0.024	0.002	0	---	---	5
6	---	---	2.25 B	0.607	0.364	0.176	0.015	0.018	0	0	---	---	6
7	---	---	2.16 B	0.528	0.315	0.156	0.046	0.015	0	0	---	---	7
8	---	---	2.28 B	0.495	0.321	0.142	0.052	0.012	0	0	---	---	8
9	---	---	1.90 B	0.466	0.392	0.123	0.067	0.008	0	0	---	---	9
10	---	---	1.43 B	0.366	0.408	0.102	0.063	0.006	0	0	---	---	10
11	---	---	1.18 B	0.417	0.432	0.094	0.043	0.004	0	0	---	---	11
12	---	---	1.03 B	0.550	0.412	0.079	0.026	0.003	0	0	---	---	12
13	---	---	0.736B	0.483	0.484	0.085	0.017	0.002	0	0	---	---	13
14	---	0.147B	0.464B	0.443	0.469	0.200	0.019	0.001	0	0	---	---	14
15	---	0.146B	0.576B	0.427	0.423	0.263	0.008	0.001E	0	0	---	---	15
16	---	0.145B	0.570B	0.412	0.418	0.193	0.008	0.001E	0	0	---	---	16
17	---	0.144B	0.523	0.370	0.331	0.150	0.011	0.002	0	0	---	---	17
18	---	0.143B	0.362	0.340	0.282	0.120	0.012	0.010	0	0	---	---	18
19	---	0.143B	0.437	0.318	0.317	0.097	0.019	0.022	0	0	---	---	19
20	---	0.138B	0.516	0.306	0.354	0.079	0.035	0.033	0	0	---	---	20
21	---	0.155B	1.83	0.311	0.320	0.076	0.022	0.058	0	0	---	---	21
22	---	0.252B	1.12 B	0.331	0.277	0.073	0.009	0.051	0	0	---	---	22
23	---	0.296B	0.609B	0.315	0.244	0.061	0.007	0.052	0	0	---	---	23
24	---	0.244B	0.553B	0.303	0.217	0.051	0.006	0.049	0	0	---	---	24
25	---	0.304B	0.499B	0.294	0.218	0.041	0.005	0.054	0	0	---	---	25
26	---	0.449B	0.429B	0.275	0.254	0.034	0.012	0.062	0	0	---	---	26
27	---	0.376B	0.493	0.248	0.263	0.027	0.054	0.062	0	0	---	---	27
28	---	0.541B	0.935	0.226	0.250	0.021	0.158	0.071	0	0	---	---	28
29	---		1.88	0.239	0.201	0.015	0.094	0.070	0	0	---	---	29
30	---		2.90	0.263	0.176	0.015	0.071	0.059	0	0	---	---	30
31	---		2.58		0.159		0.060	0.043		0		---	31
TOTAL	---	---	34.394	14.871	10.621	3.249	0.984	0.952	0.070	0	---	---	TOTAL
MEAN	---	---	1.11	0.496	0.343	0.108	0.032	0.031	0.002	0	---	---	MEAN
MAX	---	---	2.90	1.56	0.505	0.263	0.158	0.071	0.031	0	---	---	MAX
MIN	---	---	0.362	0.226	0.159	0.015	0.005	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.266
MAXIMUM DAILY, 2.90 ON MAR 30
MINIMUM DAILY, 0 ON SEP 06
MAXIMUM INSTANTANEOUS,
3.70 AT 15:27 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 55 N
LONG 109 06 20 W
DRAINAGE AREA, 253 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	85.0
FEB	---	AUG	82.3
MAR	2 970	SEP	6.05
APR	1 280	OCT	0
MAY	918	NOV	---
JUN	281	DEC	---

TOTAL DISCHARGE, 5 620 dam³

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.024B	0.079B	0.030	0.020	0.155	0.017	0.015	0.019	0.013	0.025B	1
2	---	---	0.026B	0.100B	0.026	0.025	0.041	0.017	0.015	0.020	0.012	0.026B	2
3	---	---	0.028B	0.096	0.026	0.023	1.30	0.016	0.014	0.019	0.012	0.026B	3
4	---	---	0.029B	0.059	0.025	0.023	0.560	0.016	0.014	0.018	0.012	---	4
5	---	---	0.030B	0.059	0.025	0.024	0.145	0.015	0.014	0.019	0.011	---	5
6	---	---	0.031B	0.060	0.025	0.021	0.052	0.015	0.014	0.019	0.011	---	6
7	---	---	0.035B	0.057	0.026	0.020	0.033	0.014	0.014	0.020	0.010	---	7
8	---	---	0.040B	0.052	0.024	0.019	0.027	0.013	0.013	0.021	0.010	---	8
9	---	---	0.050B	0.050	0.024	0.018	0.023	0.013	0.013	0.021	0.010	---	9
10	---	---	0.080B	0.045	0.023	0.018	0.021	0.013	0.013	0.020	0.009	---	10
11	---	---	0.051B	0.042	0.023	0.018	0.020	0.015	0.013	0.020	0.009	---	11
12	---	---	0.056B	0.039	0.023	0.018	0.020	0.015	0.013	0.020	0.007	---	12
13	---	---	0.035B	0.040	0.023	0.017	0.019	0.014	0.012	0.021	0.007	---	13
14	---	---	0.040B	0.039	0.022	0.018	0.020	0.014	0.013	0.021	0.007	---	14
15	---	---	0.030B	0.039	0.026	0.020	0.019	0.014	0.013	0.022	0.006	---	15
16	---	---	0.035B	0.038	0.033	0.018	0.019	0.015	0.014	0.021	0.006	---	16
17	---	---	0.029B	0.035	0.026	0.019	0.020	0.017	0.013	0.021	0.006	---	17
18	---	---	0.028B	0.038	0.023	0.018	0.020	0.021	0.013	0.021	0.006	---	18
19	---	---	0.035B	0.035	0.023	0.018	0.021	0.021	0.014	0.020	0.006	---	19
20	---	---	0.038B	0.032	0.025	0.017	0.022	0.020	0.013	0.015	0.006	---	20
21	---	---	0.038B	0.029	0.026	0.017	0.022	0.019	0.014	0.014	0.004B	---	21
22	---	---	0.040B	0.031	0.025	0.017	0.021	0.018	0.014	0.013	0.006B	---	22
23	---	---	0.042B	0.030	0.024	0.017	0.021	0.020	0.014	0.013	0.006B	---	23
24	---	---	0.045B	0.029	0.023	0.017	0.020	0.020	0.013	0.013	0.006B	---	24
25	---	---	0.046B	0.030	0.023	0.018	0.020	0.017	0.013	0.013	0.006B	---	25
26	---	0.017B	0.051B	0.029	0.024	0.017	0.017	0.018	0.012	0.015	0.007B	---	26
27	---	0.019B	0.059B	0.028	0.024	0.019	0.018	0.018	0.012	0.021	0.018B	---	27
28	---	0.022B	0.059B	0.027	0.022	0.019	0.018	0.017	0.013	0.021	0.023B	---	28
29	---		0.062B	0.026	0.022	0.036	0.018	0.016	0.012	0.021	0.029B	---	29
30	---		0.079B	0.028	0.020	0.033	0.018	0.015	0.017	0.015	0.026B	---	30
31	---		0.090B		0.020		0.016	0.015		0.013		---	31
TOTAL	---	---	1.349	1.321	0.754	0.602	2.766	0.508	0.404	0.570	0.307	---	TOTAL
MEAN	---	---	0.044	0.044	0.024	0.020	0.089	0.016	0.014	0.018	0.010	---	MEAN
MAX	---	---	0.090	0.100	0.033	0.036	1.30	0.021	0.017	0.022	0.029	---	MAX
MIN	---	---	0.024	0.026	0.020	0.017	0.016	0.013	0.012	0.013	0.004	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 1.30 ON JUL 03
MINIMUM DAILY, 0.004B ON NOV 21
MAXIMUM INSTANTANEOUS,
2.41 AT 08:53 CST ON JUL 03

SUMMARY FOR THE MONTHS MAR TO NOV

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 59 N
LONG 105 02 06 W
DRAINAGE AREA, 387 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	239
FEB	---	AUG	43.9
MAR	117	SEP	34.9
APR	114	OCT	49.2
MAY	65.1	NOV	26.5
JUN	52.0	DEC	---

TOTAL DISCHARGE, 742 dam³

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 06AG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.0B	16.0B	12.3B	26.9B	85.1	70.1E	29.0E	26.3	17.4	15.9	16.1 B	9.22B	1
2	18.2B	15.9B	12.6B	27.1B	88.3	68.0E	28.5E	26.1	17.3	15.8	16.2 B	8.86B	2
3	18.5B	15.6B	12.9B	28.0B	95.2	65.9E	28.0E	25.8	17.2	15.9	16.1 B	8.85B	3
4	18.4B	15.4B	13.0B	29.1B	103	64.2E	28.0E	25.2	16.9	15.8	15.4 B	8.82B	4
5	17.9B	15.3B	13.2B	44.3B	106	62.5E	29.0E	24.5	16.9	15.7	16.8 B	8.74B	5
6	17.3B	15.2B	13.6B	65.9B	106	60.2A	30.0E	23.6	16.8	15.5	17.3 B	8.63B	6
7	16.9B	15.2B	14.3B	78.7B	103	57.7A	31.0E	22.9	16.5	15.5	17.7 B	8.57B	7
8	16.4B	15.5B	15.8B	89.9B	107	55.0E	31.5E	22.3	16.0	15.5	15.9 B	8.86B	8
9	16.3B	15.6B	18.1B	100 B	109	52.0E	32.0E	21.6	16.1	15.5	13.3 B	8.97B	9
10	16.3B	15.2B	20.1B	112 B	106	50.0E	32.0E	21.4	16.2	15.7	13.4 B	8.76B	10
11	16.4B	14.6B	21.9B	106 B	105	47.0E	33.0E	21.0	16.7	16.8	12.9 B	8.64B	11
12	16.6B	14.7B	24.4B	97.0B	103	44.0E	33.5E	21.1	16.9	16.8	12.8 B	8.47B	12
13	16.9B	14.1B	25.9B	92.6B	100	40.5E	34.5E	20.5	17.1	16.9	12.8 B	8.33B	13
14	17.3B	13.3B	26.9B	103 B	101	39.0E	36.0E	20.3	16.9	17.0	12.6 B	8.12B	14
15	17.6B	13.3B	27.4B	98.1B	101	36.0E	37.0E	20.3	16.6	17.1	12.0 B	7.89B	15
16	17.7B	12.3B	27.7B	85.5B	101	34.0E	37.5E	19.6	16.4	17.0	11.5 B	7.80B	16
17	17.7B	11.9B	26.8B	70.6B	104	32.0E	37.0A	19.3	16.2	16.8	11.3 B	7.95B	17
18	17.2B	11.8B	25.8B	71.5B	100	31.0E	36.6	19.6	16.1	16.5	11.0 B	8.13B	18
19	17.0B	11.7B	24.9B	69.4	100	30.0E	36.1	19.6	16.3	16.3	11.0 B	8.06B	19
20	17.1B	11.6B	25.1B	67.6	98.9A	29.8E	35.1	19.5	16.7	16.3	11.0 B	7.77B	20
21	17.2B	11.6B	25.3B	66.7	97.2E	30.0E	33.9	19.2	16.6	16.4	11.0 B	7.19B	21
22	17.5B	12.1B	27.1B	66.8	94.7E	30.5E	33.2	19.1	16.3	16.4	10.7 B	6.81B	22
23	17.7B	12.1B	26.2B	68.1	93.4E	31.0E	32.4	18.9	16.1	16.4	9.19B	6.80B	23
24	17.9B	11.7B	26.2B	67.7	90.4E	31.5E	31.4	19.0	16.1	16.4	9.13B	7.07B	24
25	18.8B	11.7B	27.9B	70.1	87.6E	32.0E	30.3	19.1	16.1	16.3	9.49B	7.01B	25
26	20.1B	11.7B	28.2B	72.8	84.7E	32.0E	29.1	18.3	16.2	16.2	9.65B	6.83B	26
27	20.5B	11.6B	27.7B	75.4	82.7E	31.5E	28.8	17.9	16.2	16.2	9.78B	6.80B	27
28	18.4B	11.9B	27.5B	77.0	79.5E	31.0E	29.1	17.8	16.2	16.1	9.97B	6.99B	28
29	17.6B		27.5B	77.5	76.9E	30.0E	28.9	17.4	16.0	16.2	9.88B	6.86B	29
30	17.0B		27.2B	81.5	74.4E	29.5E	27.7	17.3	16.0	16.2	9.78B	6.71B	30
31	16.1B		27.3B		72.2E		27.0	17.5		16.1B		6.59B	31
TOTAL	544.5	378.6	700.8	2 186.7	2 955.6	1 277.9	987.1	642.0	495.0	503.2	375.67	245.10	TOTAL
MEAN	17.6	13.5	22.6	72.9	95.3	42.6	31.8	20.7	16.5	16.2	12.5	7.91	MEAN
MAX	20.5	16.0	28.2	112	109	70.1	37.5	26.3	17.4	17.1	17.7	9.22	MAX
MIN	16.1	11.6	12.3	26.9	72.2	29.5	27.0	17.3	16.0	15.5	9.13	6.59	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.9
MAXIMUM DAILY, 112B ON APR 10
MINIMUM DAILY, 6.59B ON DEC 31
MAXIMUM INSTANTANEOUS,
117B AT 14:46 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 09 N
LONG 107 48 38 W
DRAINAGE AREA, 45 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 000	JUL	85 300
FEB	32 700	AUG	55 500
MAR	60 500	SEP	42 800
APR	189 000	OCT	43 500
MAY	255 000	NOV	32 500
JUN	110 000	DEC	21 200

TOTAL DISCHARGE, 975 000 dam³

BEAVER RIVER NEAR DORINTOSH - STATION NO. 06AD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.63B	3.84B	3.57B	7.08B	48.1	27.7	14.4	9.91	3.97	2.75	3.77B	1.70B	1
2	3.36B	4.00B	3.58B	12.7 B	50.1	26.0	14.2	9.42	3.97	2.73	3.85B	1.66B	2
3	3.22B	4.03B	3.57B	20.3 B	50.4	24.9	14.8	8.84	3.79	2.67	3.20B	1.66B	3
4	3.19B	3.99B	3.59B	31.4 B	49.9	23.7	16.2	8.27	3.76	2.68	2.15B	1.62B	4
5	3.21B	3.83B	3.61B	43.9 B	49.6	23.3	16.5	7.85	3.88	2.70	2.40B	1.61B	5
6	3.32B	3.73B	3.66B	64.8 B	49.5	23.0	16.5	7.54	4.12	2.71	2.21B	1.61B	6
7	3.39B	3.69B	3.74B	86.5 B	48.9	21.2	16.6	7.01	4.48	2.69	2.51B	1.61B	7
8	3.55B	3.59B	3.91B	92.7 B	48.8	20.0	16.7	6.59	4.40	2.75	2.61B	1.66B	8
9	3.56B	3.41B	4.15B	83.7 B	49.0	18.9	17.5	6.27	3.99	2.84	2.54B	1.66B	9
10	3.56B	3.32B	4.30B	76.7 B	49.3	18.0	19.2	6.11	3.71	2.82	2.46B	1.66B	10
11	3.51B	3.39B	4.33B	68.8 B	49.5	17.7	20.4	5.97	3.47	2.83	2.39B	1.66B	11
12	3.42B	3.41B	4.56B	63.8 B	50.4	17.0	20.9	5.80	3.43	2.99	2.35B	1.71B	12
13	3.67B	3.45B	4.62B	55.5	51.6	16.3	21.7	5.38	3.48	3.17	2.25B	1.71B	13
14	3.84B	3.58B	4.57B	48.5	51.9	15.9	22.0	5.23	3.43	3.28	2.19B	1.68B	14
15	3.81B	3.27B	4.42B	45.6	51.8	15.5	21.5	5.37	3.37	3.31	2.13B	1.71B	15
16	3.82B	3.12B	4.38B	44.3	51.4	15.4	20.5	5.30	3.37	3.31	2.12B	1.69B	16
17	3.78B	3.15B	4.27B	43.7	51.0	15.4	19.2	5.12	3.19	3.33	2.11B	1.67B	17
18	3.70B	3.11B	4.13B	40.7	49.9	15.8	18.0	4.94	3.21	3.36	2.09B	1.64B	18
19	3.65B	3.13B	4.05B	33.9	49.0	16.1	17.1	4.84	3.22	3.38	2.05B	1.58B	19
20	3.59B	3.19B	4.00B	34.7	47.5	16.2	16.3	4.78	3.18	3.39	2.05B	1.56B	20
21	3.65B	3.28B	4.01B	34.7	45.9	16.5	15.5	4.71	3.26	3.45	2.00B	1.57B	21
22	3.79B	3.37B	3.93B	32.5	44.2	16.6	14.6	4.69	3.51	3.62	1.85B	1.67B	22
23	3.94B	3.46B	3.93B	31.4	42.3	16.4	13.9	4.62	3.44	3.72	1.80B	1.66B	23
24	3.95B	3.53B	3.90B	32.7	40.3	16.2	13.3	4.54	3.21	3.75	1.87B	1.65B	24
25	3.93B	3.56B	3.93B	37.3	38.8	15.8	12.8	4.48	3.02	3.72	1.86B	1.64B	25
26	3.84B	3.52B	3.95B	38.4	37.5	15.4	12.2	4.38	2.92	3.72	1.87B	1.62B	26
27	3.67B	3.55B	3.97B	38.7	36.1	15.2	11.5	4.26	2.92	3.72	1.85B	1.64B	27
28	3.60B	3.56B	4.04B	40.7	34.4	14.9	11.2	4.13	2.93	3.60	1.86B	1.76B	28
29	3.55B		4.20B	43.9	32.7	14.8	10.6	4.02	2.90	3.57	1.80B	1.77B	29
30	3.54B		4.27B	46.5	31.0	14.5	10.3	3.98	2.76	3.70	1.76B	1.76B	30
31	3.66B		4.76B		29.5		10.3	3.95		3.80		1.75B	31
TOTAL	112.02	90.06	125.90	1 376.08	1 410.3	544.2	496.1	178.30	104.29	100.06	67.95	51.55	TOTAL
MEAN	3.61	3.50	4.06	45.9	45.5	18.1	16.0	5.75	3.48	3.23	2.27	1.66	MEAN
MAX	3.95	4.03	4.76	92.7	51.9	27.7	22.0	9.91	4.48	3.80	3.85	1.77	MAX
MIN	3.19	3.11	3.57	7.08	29.5	14.5	10.3	3.95	2.76	2.67	1.76	1.56	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 92.7B ON APR 08
MINIMUM DAILY, 1.56B ON DEC 20
MAXIMUM INSTANTANEOUS,
96.6B AT 08:53 CST ON APR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 17 47 N
LONG 108 36 16 W
DRAINAGE AREA, 20 500 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 680	JUL	42 900
FEB	8 470	AUG	15 400
MAR	10 900	SEP	9 010
APR	119 000	OCT	8 650
MAY	122 000	NOV	5 870
JUN	47 000	DEC	4 450

TOTAL DISCHARGE, 403 000 dam³

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC064

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.167	0.030	0.021	0	0	0	0	---	---	1
2	---	---	0 B	0.041	0.049	0.040	0	0	0	0	---	---	2
3	---	---	0 B	0.018	0.075	0.045	0	0	0	0	---	---	3
4	---	---	0 B	0.016	0.047	0.021	0	0	0	0	---	---	4
5	---	---	0 B	0.066	0.025	0	0	0	0	0	---	---	5
6	---	---	0.095B	0.042	0	0	0	0	0	0	---	---	6
7	---	---	0.073B	0.020	0	0	0	0	0	0	---	---	7
8	---	---	0.017B	0	0.001	0	0	0	0	0	---	---	8
9	---	---	0.015B	0	0.005	0	0	0	0	0	---	---	9
10	---	---	0.043B	0	0	0	0	0	0	0	---	---	10
11	---	---	0.231B	0	0	0	0	0	0	0	---	---	11
12	---	---	0.467B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.004B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0.040	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0.081	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0.077	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0.071	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0.095	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0.116	0	0	0	0	0	---	---	19
20	---	0B	0.014B	0	0.083	0	0	0	0	0	---	---	20
21	---	0B	0.200B	0	0.089	0	0	0	0	0	---	---	21
22	---	0B	0.001B	0	0.071	0	0	0	0	0	---	---	22
23	---	0B	0 B	0	0.041	0	0	0	0	0	---	---	23
24	---	0B	0 B	0.003	0.006	0	0	0	0	0	---	---	24
25	---	0B	0 B	0	0.002	0	0	0	0	0	---	---	25
26	---	0B	0 B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0 B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0.166	0.016	0	0	0	0	0	0	---	---	30
31	---		0.737		0		0	0		0		---	31
TOTAL	---	---	2.063	0.389	1.004	0.127	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.067	0.013	0.032	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	0.737	0.167	0.116	0.045	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.737 ON MAR 31
MINIMUM DAILY, 0B ON MAR 01

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 39 N
LONG 109 21 54 W

B - ICE CONDITIONS

REGULATED SINCE 1939

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	178	SEP	0
APR	33.6	OCT	0
MAY	86.7	NOV	---
JUN	11.0	DEC	---

TOTAL DISCHARGE, 309 dam³

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.367	1.16	0.171	0.003	0	0	0	---	---	1
2	---	---	0 B	1.21	1.08	0.136	0.002	0	0	0	---	---	2
3	---	---	0 B	1.66	1.04	0.097	0.016	0	0	0	---	---	3
4	---	---	0 B	1.67	0.958	0.072	0.022	0	0	0	---	---	4
5	---	---	0 B	1.43	0.879	0.046	0.026	0	0	0	---	---	5
6	---	---	0 B	1.80	0.831	0.029	0.034	0	0	0.004	---	---	6
7	---	---	0 B	2.61	0.773	0.027	0.037	0	0	0.009	---	---	7
8	---	---	0 B	3.08	0.777	0.029	0.047	0	0	0.008	---	---	8
9	---	---	0 B	5.23	0.818	0.025	0.064	0	0	0.007	---	---	9
10	---	---	0 B	5.13	0.856	0.022	0.067	0	0	0.006	---	---	10
11	---	---	0 B	4.90	0.865	0.020	0.046	0	0	0.004	---	---	11
12	---	---	0 B	4.60	0.885	0.019	0.026	0	0	0.002	---	---	12
13	---	---	0 B	4.20	0.857	0.024	0.017	0	0	0.002	---	---	13
14	---	---	0 B	3.74	0.833	0.029	0.012	0	0	0.001	---	---	14
15	---	---	0 B	3.41	0.801	0.035	0.010	0	0	0	---	---	15
16	---	---	0.001B	3.06	0.727	0.030	0.009	0	0	0	---	---	16
17	---	---	0.004B	2.78	0.689	0.025	0.010	0	0	0	---	---	17
18	---	---	0.005B	2.55	0.653	0.019	0.008	0	0	0	---	---	18
19	---	---	0.010B	2.30	0.613	0.017	0.006	0	0	0	---	---	19
20	---	---	0.007B	2.11	0.567	0.018	0.004	0	0	0	---	---	20
21	---	---	0.007B	1.88	0.544	0.024	0.003	0	0	0	---	---	21
22	---	---	0.012B	1.80 A	0.509	0.022	0.001	0	0	0	---	---	22
23	---	---	0.014B	1.62 E	0.492	0.016	0	0	0	0	---	---	23
24	---	---	0.010B	1.53 E	0.461	0.011	0	0	0	0	---	---	24
25	---	---	0.013B	1.46 A	0.409	0.008	0	0	0	0	---	---	25
26	---	---	0.021B	1.37	0.366	0.006	0	0	0	0	---	---	26
27	---	---	0.023B	1.34	0.337	0.004	0	0	0	0	---	---	27
28	---	---	0.037B	1.36	0.309	0.004	0.001	0	0	0	---	---	28
29	---	---	0.141B	1.31	0.266	0.005	0.001	0	0	0	---	---	29
30	---		0.279B	1.25	0.222	0.004	0	0	0	0	---	---	30
31	---		0.224B		0.193		0	0		0		---	31
TOTAL	---	---	0.808	75.757	20.770	0.994	0.472	0	0	0.043	---	---	TOTAL
MEAN	---	---	0.026	2.53	0.670	0.033	0.015	0	0	0.001	---	---	MEAN
MAX	---	---	0.279	5.23	1.16	0.171	0.067	0	0	0.009	---	---	MAX
MIN	---	---	0	0.367	0.193	0.004	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.403
MAXIMUM DAILY, 5.23 ON APR 09
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS, 6.25 AT 15:48 CST ON APR 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 39 N
LONG 109 17 45 W
DRAINAGE AREA, 1 620 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	40.8
FEB	---	AUG	0
MAR	69.8	SEP	0
APR	6 550	OCT	3.72
MAY	1 790	NOV	---
JUN	85.9	DEC	---

TOTAL DISCHARGE, 8 540 dam³

BIG QUILL LAKE NEAR KANDAHAR - STATION NO. 05MA010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	514.080	---	---	---	---	1
2	---	---	---	---	---	---	---	514.090	---	---	---	---	2
3	---	---	---	---	---	514.253	---	514.068	---	513.895	---	---	3
4	---	---	---	---	---	514.197	---	514.067	---	513.865	---	---	4
5	---	---	---	---	---	514.284	---	---	---	513.856	---	---	5
6	---	---	---	---	---	514.249	---	---	---	513.871	---	---	6
7	---	---	---	---	---	514.264	---	---	---	513.871	---	---	7
8	---	---	---	---	---	514.270	---	514.062	---	---	---	---	8
9	---	---	---	---	514.293	514.245	---	514.061	---	513.817	---	---	9
10	---	---	---	---	---	---	---	514.056	---	---	---	---	10
11	---	---	---	---	---	---	---	514.056	513.963	514.017	---	---	11
12	---	---	---	---	---	514.174	---	---	513.931	---	---	---	12
13	---	---	---	---	---	514.216	---	514.009	514.029	513.818	---	---	13
14	---	---	---	---	514.312	514.216	---	514.019	513.889	---	---	---	14
15	---	---	---	---	514.272	---	---	513.973	---	---	---	---	15
16	---	---	---	---	514.472	---	---	514.027	513.875	513.819	---	---	16
17	---	---	---	---	514.292	514.217	---	513.997	---	513.899	---	---	17
18	---	---	---	---	514.290	514.217	---	513.993	513.936	---	---	---	18
19	---	---	---	---	514.298	514.205	---	513.991	513.911	513.870	---	---	19
20	---	---	---	---	514.282	514.207	---	514.000	513.926	513.880	---	---	20
21	---	---	---	---	514.282	514.218	---	513.988	513.911	---	---	---	21
22	---	---	---	---	---	514.213	---	514.003	513.922	---	---	---	22
23	---	---	---	---	514.272	514.198	514.098	513.998	513.912	513.861	---	---	23
24	---	---	---	---	514.282	514.189	---	514.093	513.972	513.861	---	---	24
25	---	---	---	---	514.232	514.199	---	514.007	---	513.826	---	---	25
26	---	---	---	---	514.244	514.189	---	514.009	---	513.856	---	---	26
27	---	---	---	---	514.269	514.179	---	514.050	---	513.842	---	---	27
28	---	---	---	---	514.270	514.192	---	513.976	---	---	---	---	28
29	---		---	---	514.211	514.195	---	513.980	---	---	---	---	29
30	---		---	---	514.262	514.150	---	513.985	513.894	---	---	---	30
31	---		---		514.243		514.112	513.920		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 46 54 N
LONG 104 19 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
8 760 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIG SANDY LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	393.586	393.510	---	---	---	1
2	---	---	---	---	---	---	---	393.583	393.510	---	---	---	2
3	---	---	---	---	---	---	---	393.579	393.511	---	---	---	3
4	---	---	---	---	---	---	---	393.578	393.503	---	---	---	4
5	---	---	---	---	---	---	---	393.575	393.493	---	---	---	5
6	---	---	---	---	---	393.670	---	393.572	393.498	---	---	---	6
7	---	---	---	---	---	393.669	---	393.570	393.490	---	---	---	7
8	---	---	---	---	---	393.668	---	393.569	393.489	---	---	---	8
9	---	---	---	---	---	393.668	---	393.561	393.486	---	---	---	9
10	---	---	---	---	---	393.668	393.624	393.560	393.481	---	---	---	10
11	---	---	---	---	---	393.669	393.621	393.557	393.473	---	---	---	11
12	---	---	---	---	---	393.668	393.620	393.555	393.474	---	---	---	12
13	---	---	---	---	---	393.669	393.621	393.556	393.470	---	---	---	13
14	---	---	---	---	---	393.669	393.620	393.559	393.467	---	---	---	14
15	---	---	---	---	---	393.668	393.617	393.557	393.465	---	---	---	15
16	---	---	---	---	---	393.668	393.616	393.555	393.463	---	---	---	16
17	---	---	---	---	---	393.668	393.617	393.553	393.462	---	---	---	17
18	---	---	---	---	---	393.666	393.614	393.554	393.457	---	---	---	18
19	---	---	---	---	---	393.667	393.612	393.550	393.456	---	---	---	19
20	---	---	---	---	---	393.666	393.611	393.544	393.456	---	---	---	20
21	---	---	---	---	---	393.668	393.611	393.543	393.455	---	---	---	21
22	---	---	---	---	---	393.668	393.609	393.537	393.456	---	---	---	22
23	---	---	---	---	---	393.666	393.607	393.532	393.455	---	---	---	23
24	---	---	---	---	---	393.666	393.608	393.519	393.445	---	---	---	24
25	---	---	---	---	---	393.666	393.602	393.510	393.439	393.414	---	---	25
26	---	---	---	---	---	393.665	393.598	393.508	393.431	---	---	---	26
27	---	---	---	---	---	393.664	393.595	393.503	393.432	---	---	---	27
28	---	---	---	---	---	393.664	393.593	393.502	393.431	---	---	---	28
29	---		---	---	---	393.663	393.591	393.498	393.429	---	---	---	29
30	---		---	---	---	393.661	393.589	393.499	393.429	---	---	---	30
31	---		---		---		393.588	393.501		---		---	31
MEAN	---	---	---	---	---	---	---	393.546	393.467	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	393.586	393.511	---	---	---	MAX
MIN	---	---	---	---	---	---	---	393.498	393.429	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 39 N
LONG 104 10 35 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
434 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BIGSTONE LAKE NEAR LA RONGE - STATION NO. 06CA004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.660	0.614	0.580	0.560	0.681	0.860	0.776	0.812	0.747	0.702	0.687	0.679	1
2	0.660	0.612	0.578	0.560	0.684	0.865	0.753	0.817	0.745	0.687	0.691	0.675	2
3	0.660	0.611	0.575	0.565	0.686	0.875	0.782	0.815	0.752	0.725	0.690	0.673	3
4	0.660	0.609	0.573	0.567	0.688	0.876	0.793	0.811	0.755	0.732	0.691	0.676	4
5	0.659	0.607	0.570	0.567	0.694	0.881	0.790	0.806	0.746	0.725	0.694	0.679	5
6	0.660	0.606	0.569	0.569	0.694	0.878	0.789	0.805	0.739	0.728	0.693	0.680	6
7	0.660	0.605	0.566	0.571	0.705	0.869	0.791	0.808	0.749	0.725	0.694	0.685	7
8	0.659	0.604	0.565	0.572	0.727	0.865	0.783	0.802	0.738	0.719	0.695	0.688	8
9	0.657	0.605	0.568	0.573	0.739	0.851	0.775	0.792	0.742	0.720	0.693	0.687	9
10	0.656	0.603	0.563	0.574	0.751	0.850	0.779	0.789	0.737	0.725	0.691	0.681	10
11	0.655	0.601	0.560	0.571	0.760	0.862	0.782	0.786	0.727	0.733	0.691	0.680	11
12	0.651	0.605	0.564	0.571	0.771	0.841	0.781	0.786	0.725	0.714	0.689	0.679	12
13	0.649	0.604	0.565	0.567	0.779	0.848	0.779	0.797	0.730	0.719	0.686	0.676	13
14	0.647	0.601	0.563	0.568	0.785	0.861	0.788	0.796	0.733	0.729	0.689	0.676	14
15	0.644	0.602	0.562	0.572	0.795	0.860	0.777	0.789	0.730	0.724	0.696	0.673	15
16	0.644	0.599	0.564	0.573	0.804	0.849	0.768	0.781	0.729	0.721	0.695A	0.677	16
17	0.640	0.597	0.564	0.572	0.810	0.850	0.768	0.776	0.736	0.715	0.694E	0.678	17
18	0.637	0.595	0.560	0.572	0.817	0.848	0.770	0.773	0.737	0.708	0.693E	0.676	18
19	0.635	0.593	0.558	0.573	0.825	0.848	0.767	0.768	0.727	0.704	0.692E	0.678	19
20	0.633	0.591	0.560A	0.575	0.826	0.841	0.760	0.770	0.729	0.706	0.690E	0.678	20
21	0.632	0.589	0.560E	0.579	0.835	0.825	0.758	0.763	0.730	0.707	0.689E	0.678	21
22	0.633	0.588	0.560E	0.586	0.844	0.826	0.755	0.768	0.729	0.703	0.688E	0.672	22
23	0.632	0.587	0.560E	0.594	0.846	0.815	0.754	0.769	0.725	0.706	0.687E	0.666	23
24	0.631	0.585	0.560E	0.602	0.844	0.813	0.739	0.765	0.728	0.704	0.686E	0.671	24
25	0.629	0.587	0.560E	0.615	0.848	0.806	0.729	0.758	0.731	0.699	0.685E	0.667	25
26	0.629	0.586	0.560E	0.635	0.858	0.795	0.727	0.752	0.734	0.701	0.683E	0.667	26
27	0.627	0.583	0.560E	0.641	0.849	0.797	0.750	0.756	0.724	0.703	0.682E	0.661	27
28	0.622	0.582	0.560E	0.653	0.843	0.798	0.807	0.750	0.715	0.698	0.681A	0.657	28
29	0.621		0.560E	0.670	0.853	0.791	0.809	0.749	0.713	0.700	0.683	0.653	29
30	0.620		0.560E	0.680	0.866	0.793	0.818	0.743	0.708	0.693	0.686	0.653	30
31	0.617		0.560E		0.875		0.812	0.744		0.688		0.651	31
MEAN	0.643	0.598	0.564	0.588	0.787	0.841	0.774	0.781	0.733	0.712	0.689	0.673	MEAN
MAX	0.660	0.614	0.580	0.680	0.875	0.881	0.818	0.817	0.755	0.733	0.696	0.688	MAX
MIN	0.617	0.582	0.558	0.560	0.681	0.791	0.727	0.743	0.708	0.687	0.681	0.651	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 0.699
MAXIMUM DAILY, 0.881 ON JUN 05
MINIMUM DAILY, 0.558 ON MAR 19
MAXIMUM INSTANTANEOUS,
0.890 AT 23:45 CST ON JUN 17

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 105 21 46 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
7 280 km²

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.66 B	0.357	0.009	0	0	0	0	---	---	1
2	---	---	0 B	12.4 B	0.317	0.018	0	0	0	0	---	---	2
3	---	---	0 B	22.7 B	0.272	0.025	0	0	0	0	---	---	3
4	---	---	0 B	26.6	0.221	0.030	0	0	0	0	---	---	4
5	---	---	0 B	14.7	0.180	0.022	0	0	0	0	---	---	5
6	---	---	0 B	13.7	0.156	0.021	0	0	0	0	---	---	6
7	---	---	0 B	12.4	0.128	0.023	0	0	0	0	---	---	7
8	---	---	0 B	8.79	0.122	0.030	0.001	0	0	0	---	---	8
9	---	---	0 B	5.46	0.130	0.028	0	0	0	0	---	---	9
10	---	---	0.001B	3.19	0.111	0.005	0.001	0	0	0	---	---	10
11	---	---	0.003B	2.55	0.096	0.007	0.001	0	0	0	---	---	11
12	---	---	0.005B	2.50	0.083	0.006	0.001	0	0	0	---	---	12
13	---	---	0.019B	2.79	0.086	0.007	0.001	0	0	0	---	---	13
14	---	---	0.015B	2.67	0.114	0.005	0.002	0	0	0	---	---	14
15	---	---	0.007B	2.08	0.120	0.004	0.001	0	0	0	---	---	15
16	---	---	0.003B	1.53	0.094	0.003	0.001	0	0	0	---	---	16
17	---	---	0.003B	1.22	0.074	0.003	0.001	0	0	0	---	---	17
18	---	---	0.003B	1.20	0.050	0.002	0.001	0	0	0	---	---	18
19	---	---	0.002B	1.39	0.019	0.002	0.001	0	0	0	---	---	19
20	---	---	0.001B	1.38	0.016	0.001	0.001	0	0	0	---	---	20
21	---	---	0.001B	1.18	0.016	0.001	0.001	0	0	0	---	---	21
22	---	---	0.001B	0.996	0.016	0.001	0.001	0	0	0	---	---	22
23	---	---	0.001B	0.811	0.017	0	0.001	0	0	0	---	---	23
24	---	---	0.001B	0.652	0.011	0	0.001	0	0	0	---	---	24
25	---	---	0.001B	0.606	0.007	0	0	0	0	0	---	---	25
26	---	---	0.001B	0.638	0.004	0	0	0	0	0	---	---	26
27	---	---	0.001B	0.555	0.003	0.001	0	0	0	0	---	---	27
28	---	---	0.001B	0.507	0.005	0	0	0	0	0	---	---	28
29	---	---	0.001B	0.466	0.004	0	0	0	0	0	---	---	29
30	---		0.365B	0.401	0.006	0	0.003	0	0	0	---	---	30
31	---		1.20 B		0.005		0	0		0		---	31
TOTAL	---	---	1.636	150.722	2.840	0.254	0.020	0	0	0	---	---	TOTAL
MEAN	---	---	0.053	5.02	0.092	0.009	0.001	0	0	0	---	---	MEAN
MAX	---	---	1.20	26.6	0.357	0.030	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.401	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.635
MAXIMUM DAILY, 26.6 ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
34.0B AT 20:25 CST ON APR 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 46 N
LONG 103 52 27 W

DRAINAGE AREA, 692 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1.73
FEB	---	AUG	0
MAR	141	SEP	0
APR	13 000	OCT	0
MAY	245	NOV	---
JUN	21.9	DEC	---

TOTAL DISCHARGE, 13 400 dam³

BIRLING CREEK NEAR PAYNTON - STATION NO. 05EG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.001	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.001	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.039	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.002	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.003B	0	0	0	0	0	0	0	---	---	29
30	---		0.006	0	0	0	0	0	0	0	---	---	30
31	---		0.002		0		0	0		0		---	31
TOTAL	---	---	0.011	0.045	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.002	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.006	0.039	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.039 ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.107 AT 04:44 CST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 04 45 N
LONG 108 59 00 W
DRAINAGE AREA, 426 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.950	SEP	0
APR	3.89	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4.84 dam³

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.83 B	0.006	0.002	0	0	0	0	---	---	1
2	---	---	0 B	1.54 B	0.004	0.001	0	0	0	0	---	---	2
3	---	---	0 B	1.17	0.006	0.002	0	0	0	0	---	---	3
4	---	---	0 B	0.822	0.008	0	0	0	0	0	---	---	4
5	---	---	0 B	0.578	0.004	0	0	0	0	0	---	---	5
6	---	---	0.010B	0.398	0.008	0	0.004	0	0	0	---	---	6
7	---	---	0.048B	0.261	0.006	0	0.004	0	0	0	---	---	7
8	---	---	0.097B	0.145	0.010	0	0.001	0	0	0	---	---	8
9	---	---	0.216B	0.121	0.007	0		0	0	0	---	---	9
10	---	---	0.159B	0.087	0.002	0	0	0	0	0	---	---	10
11	---	---	0.099B	0.058	0.001	0	0	0	0	0	---	---	11
12	---	---	0.083B	0.067	0.001	0	0	0	0	0	---	---	12
13	---	---	0.228B	0.073	0.001	0	0	0	0	0	---	---	13
14	---	---	1.03 B	0.058	0.003	0	0	0	0	0	---	---	14
15	---	---	1.09 B	0.061	0.009	0	0	0	0	0	---	---	15
16	---	---	0.940B	0.053	0.013	0	0	0	0	0	---	---	16
17	---	---	0.915B	0.046	0.008	0	0	0	0	0	---	---	17
18	---	---	0.835B	0.039	0.004	0	0	0	0	0	---	---	18
19	---	---	0.746B	0.036	0.005	0	0	0	0	0	---	---	19
20	---	---	0.979B	0.037	0.008	0	0	0	0	0	---	---	20
21	---	---	1.56 B	0.033	0.009	0	0	0	0	0	---	---	21
22	---	---	1.69 B	0.029	0.008	0	0	0	0	0	---	---	22
23	---	---	1.19 B	0.022	0.009	0	0	0	0	0	---	---	23
24	---	---	0.940B	0.028	0.010	0	0	0	0	0	---	---	24
25	---	---	0.599B	0.026	0.009	0	0	0	0	0	---	---	25
26	---	---	0.438B	0.021	0.007	0	0	0	0	0	---	---	26
27	---	---	0.456B	0.013	0.006	0	0	0	0	0	---	---	27
28	---	---	0.817B	0.009	0.006	0	0	0	0	0	---	---	28
29	---	---	1.50 B	0.010	0.004	0	0	0	0	0	---	---	29
30	---		1.87 B	0.008	0.002	0	0	0	0	0	---	---	30
31	---		1.82 B		0.001		0	0		0		---	31
TOTAL	---	---	20.354	7.679	0.185	0.005	0.009	0	0	0	---	---	TOTAL
MEAN	---	---	0.657	0.256	0.006	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.87	1.83	0.013	0.002	0.004	0	0	0	---	---	MAX
MIN	---	---	0	0.008	0.001	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.115
MAXIMUM DAILY, 1.87B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.33B AT 17:12 CST ON MAR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 55 N
LONG 104 49 05 W
DRAINAGE AREA, 401 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.778
FEB	---	AUG	0
MAR	1 760	SEP	0
APR	663	OCT	0
MAY	16.0	NOV	---
JUN	0.432	DEC	---

TOTAL DISCHARGE, 2 440 dam³

BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	556.443	556.469	556.495	556.595	556.613	556.573	556.593	557.412	557.348	557.172	557.058	557.075	1
2	556.444	556.472	556.498	556.600	556.611	556.593	556.638	557.406	557.344	557.164	557.057	557.076	2
3	556.444	556.475	556.504	556.599	556.609A	556.609	556.667	557.40x	557.336	557.154	557.054	557.080	3
4	556.446	556.476	556.508	556.601	556.612A	556.611	556.688	557.396	557.331	557.145	557.057	557.086	4
5	556.447	556.479	556.509	556.599	556.614A	556.601	556.943	557.390	557.327	557.134	557.052	557.086	5
6	556.450	556.483	556.512	556.607	556.619A	556.597	557.110	557.389	557.320	557.124	557.052	557.087	6
7	556.455	556.483	556.514	556.610	556.614	556.596	557.226	557.384	557.315	557.120	557.056	557.091	7
8	556.454	556.483	556.516	556.612	556.615A	556.594	557.320	557.370	557.310	557.114	557.050	557.095	8
9	556.456	556.478	556.515	556.610	556.612A	556.593	557.378	557.361	557.304	557.110	557.049	557.096	9
10	556.448	556.483	556.520	556.607	556.617A	556.594	557.411	557.354	557.302	557.092A	557.052	557.098	10
11	556.436	556.486	556.521	556.609	556.617A	556.586	557.436	557.349	557.296	557.082A	557.049	557.100	11
12	556.449	556.472	556.529	556.616	556.619A	556.579	557.451	557.346	557.290	557.090A	557.052	557.091	12
13	556.452	556.471	556.550	556.626	556.625A	556.569	557.458	557.340	557.275	557.086A	557.053	557.096	13
14	556.454	556.478	556.550	556.625	556.630A	556.560	557.455	557.331	557.269	557.082	557.057	557.095	14
15	556.456	556.478	556.552	556.623	556.628E	556.558	557.458	557.330	557.262	557.080	557.059	557.100	15
16	556.460	556.478	556.553	556.617	556.624E	556.557	557.458	557.315	557.253	557.079	557.058	557.096	16
17	556.460	556.478	556.563	556.618	556.619E	556.569	557.454	557.299	557.242	557.074	557.061	557.099	17
18	556.463	556.476	556.569	556.618	556.616E	556.574	557.450	557.322	557.234	557.075	557.060	557.099	18
19	556.461	556.480	556.574	556.614	556.613E	556.568	557.446	557.332	557.232	557.072	557.060	557.098	19
20	556.465	556.484	556.576	556.615	556.611A	556.564	557.444	557.330	557.234	557.064	557.065	557.094	20
21	556.465	556.481	556.574	556.615	556.612A	556.554	557.444	557.332	557.226	557.066	557.065A	557.099	21
22	556.470	556.484	556.567	556.616	556.608E	556.554	557.441	557.331	557.220	557.063	557.067A	557.105	22
23	556.470	556.478	556.570	556.615	556.606A	556.552	557.437	557.330	557.219	557.060	557.067	557.109	23
24	556.471	556.483	556.572	556.618	556.608E	556.549	557.429	557.328	557.212	557.061	557.070A	557.112	24
25	556.477	556.488	556.570	556.625	556.610E	556.549	557.424	557.326	557.210	557.062	557.067A	557.113	25
26	556.473	556.484	556.575	556.630	556.613A	556.552	557.424	557.340	557.201	557.056	557.069	557.120	26
27	556.471	556.491	556.578	556.627	556.606E	556.594	557.443	557.354	557.198	557.050	557.073	557.127	27
28	556.474	556.495	556.580	556.621	556.599A	556.596	557.435	557.365	557.188	557.054	557.073	557.118	28
29	556.466		556.585	556.617	556.595	556.599	557.426	557.370	557.185	557.054	557.079	557.125	29
30	556.466		556.586	556.608	556.589	556.598	557.423	557.368	557.174	557.057	557.074	557.133	30
31	556.465		556.589		556.581		557.418	557.359		557.059		557.135	31
MEAN	556.458	556.480	556.548	556.614	556.612	556.578	557.298	557.354	557.262	557.089	557.061	557.101	MEAN
MAX	556.477	556.495	556.589	556.630	556.630	556.611	557.458	557.412	557.348	557.172	557.079	557.135	MAX
MIN	556.436	556.469	556.495	556.595	556.581	556.549	556.593	557.295	557.174	557.050	557.049	557.075	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 556.874
MAXIMUM DAILY, 557.458 ON JUL 13
MINIMUM DAILY, 556.436 ON JAN 11
MAXIMUM INSTANTANEOUS, 557.462 AT 12:49 CST ON JUL 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 49 N
LONG 103 01 28 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1958

DRAINAGE AREA, 4 840 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)
APPLY -.019 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO. 05AH050

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	OB	OB	OB	0	0	0	0	0	0	---	---	1
2	---	OB	OB	OB	0	0	0	0	0	0	---	---	2
3	---	OB	OB	0	0	0	0	0	0	0	---	---	3
4	---	OB	OB	0	0	0	0	0	0	0	---	---	4
5	---	OB	OB	0	0	0	0	0	0	0	---	---	5
6	---	OB	OB	0	0	0	0	0	0	0	---	---	6
7	---	OB	OB	0	0	0	0	0	0	0	---	---	7
8	---	OB	OB	0	0	0	0	0	0	0	---	---	8
9	---	OB	OB	0	0	0	0	0	0	0	---	---	9
10	---	OB	OB	0	0	0	0	0	0	0	---	---	10
11	---	OB	OB	0	0	0	0	0	0	0	---	---	11
12	---	OB	OB	0	0	0	0	0	0	0	---	---	12
13	---	OB	OB	0	0	0	0	0	0	0	---	---	13
14	---	OB	OB	0	0	0	0	0	0	0	---	---	14
15	---	OB	OB	0	0	0	0	0	0	0	---	---	15
16	---	OB	OB	0	0	0	0	0	0	0	---	---	16
17	---	OB	OB	0	0	0	0	0	0	0	---	---	17
18	---	OB	OB	0	0	0	0	0	0	0	---	---	18
19	---	OB	OB	0	0	0	0	0	0	0	---	---	19
20	---	OB	OB	0	0	0	0	0	0	0	---	---	20
21	---	OB	OB	0	0	0	0	0	0	0	---	---	21
22	---	OB	OB	0	0	0	0	0	0	0	---	---	22
23	---	OB	OB	0	0	0	0	0	0	0	---	---	23
24	---	OB	OB	0	0	0	0	0	0	0	---	---	24
25	---	OB	OB	0	0	0	0	0	0	0	---	---	25
26	---	OB	OB	0	0	0	0	0	0	0	---	---	26
27	---	OB	OB	0	0	0	0	0	0	0	---	---	27
28	---	OB	OB	0	0	0	0	0	0	0A	---	---	28
29	OB		OB	0	0	0	0	0	0	OE	---	---	29
30	OB		OB		0		0	0		OE		---	30
31	OB		OB		0		0	0		0		---	31
TOTAL	---	0	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, OB ON FEB 01
MINIMUM DAILY, OB ON FEB 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 43 N
LONG 109 59 14 W
DRAINAGE AREA, 1 040 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

BOXELDER CREEK NEAR WALSH - STATION NO. 05AH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0B	0	0	0	0	0	0	0	---	---	9
10	---	0.001B	0B	0	0	0	0	0	0	0	---	---	10
11	---	0.002B	0B	0	0	0	0	0	0	0	---	---	11
12	---	0.002B	0B	0	0	0	0	0	0	0	---	---	12
13	---	0.001B	0B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0B	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0B	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0B	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0B	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0B	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0B	0	0	0	0	0	0	0	---	---	23
24	---	0 B	0B	0	0	0	0	0	0	0	---	---	24
25	---	0 B	0B	0	0	0	0	0	0	0	---	---	25
26	---	0 B	0B	0	0	0	0	0	0	0	---	---	26
27	---	0 B	0B	0	0	0	0	0	0	0	---	---	27
28	---	0 B	0B	0	0	0	0	0	0	0	---	---	28
29	OB		0	0	0	0	0	0	0	0A	---	---	29
30	OB		0	0	0	0	0	0	0	0E	---	---	30
31	OB		0		0		0	0		0E		---	31
TOTAL	---	0.006	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.002	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.002B ON FEB 11
MINIMUM DAILY, OB ON FEB 01

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 57 39 N
LONG 109 59 19 W
DRAINAGE AREA, 319 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0.518	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.518 dam³

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.004B	0.009B	0	0	0	0	0	0	---	---	1
2	---	0 B	0.001B	0.006B	0	0	0	0	0	0	---	---	2
3	---	0 B	0.013B	0.003B	0	0	0	0	0	0	---	---	3
4	---	0 B	0.083B	0.002B	0	0	0	0	0	0	---	---	4
5	---	0 B	0.101B	0.001B	0	0	0	0	0	0	---	---	5
6	---	0 B	0.117B	0.001B	0	0	0	0	0	0	---	---	6
7	---	0 B	0.090B	0.001B	0	0	0	0	0	0	---	---	7
8	---	0 B	0.036B	0 B	0	0	0	0	0	0	---	---	8
9	---	0 B	0.012B	0 B	0	0	0	0	0	0	---	---	9
10	---	0 B	0.012B	0 B	0	0	0	0	0	0	---	---	10
11	---	0 B	0.008B	0 B	0	0	0	0	0	0	---	---	11
12	---	0 B	0.009B	0 B	0	0	0	0	0	0	---	---	12
13	---	0 B	0.007B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.006B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.003B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.003B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0.003B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0 B	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0 B	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0 B	0	0	0	0	0	0	0	---	---	23
24	---	0.002B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0.002B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0.002B	0.001B	0	0	0	0	0	0	0	---	---	26
27	---	0.002B	0 B	0	0	0	0	0	0	0	---	---	27
28	---	0.002B	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0 B	0	0	0	0	0	0	0	---	---	29
30	---		0.005B	0	0	0	0	0	0	0	---	---	30
31	---		0.009B		0		0	0		0		---	31
TOTAL	---	0.010	0.526	0.023	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	0	0.017	0.001	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.002	0.117	0.009	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.117B ON MAR 06
MINIMUM DAILY, OB ON FEB 01
MAXIMUM INSTANTANEOUS,
0.354B AT 12:27 CST ON MAR 06

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 36 N
LONG 108 29 38 W
DRAINAGE AREA, 379 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0.864	AUG	0
MAR	45.4	SEP	0
APR	1.99	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 48.2 dam³

BRIGHTSAND LAKE NEAR ST. WALBURG - STATION NO. 05EG010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	663.168	663.105	---	---	---	---	---	1
2	---	---	---	---	---	663.167	663.101	---	---	---	---	---	2
3	---	---	---	---	---	663.166	663.127	---	---	---	---	---	3
4	---	---	---	---	---	663.157	663.155	---	---	---	---	---	4
5	---	---	---	---	---	663.159	663.151	---	---	---	---	---	5
6	---	---	---	---	---	663.150	663.147	---	---	---	---	---	6
7	---	---	---	---	---	663.155	663.158	---	---	---	---	---	7
8	---	---	---	---	---	663.165	663.154	---	---	---	662.874	---	8
9	---	---	---	---	---	663.158	663.155	---	---	---	---	---	9
10	---	---	---	---	---	663.160	663.153	---	---	---	---	---	10
11	---	---	---	---	---	663.156	663.157	---	---	---	---	---	11
12	---	---	---	---	---	663.152	663.150	---	---	---	---	---	12
13	---	---	---	---	---	663.151	663.154	---	---	---	---	---	13
14	---	---	---	---	---	663.143	663.151	---	---	---	---	---	14
15	---	---	---	---	---	663.144	663.141	---	---	---	---	---	15
16	---	---	---	---	---	663.136	663.135	---	---	---	---	---	16
17	---	---	---	---	---	663.134	663.146	---	---	---	---	---	17
18	---	---	---	---	---	663.136	663.140	---	---	---	---	---	18
19	---	---	---	---	---	663.140	663.138	---	---	---	---	---	19
20	---	---	---	---	---	663.139	663.140	---	---	---	---	---	20
21	---	---	---	---	---	663.144	663.141	---	---	---	---	---	21
22	---	---	---	---	---	663.129	663.144	---	---	---	---	---	22
23	---	---	---	---	---	663.124	663.146	---	---	---	---	---	23
24	---	---	---	---	---	663.123	663.144	---	---	---	---	---	24
25	---	---	---	---	---	663.121	663.142	---	---	---	---	---	25
26	---	---	---	---	---	663.125	663.136	---	---	---	---	---	26
27	---	---	---	---	---	663.119	663.155	---	---	---	---	---	27
28	---	---	---	---	663.166	663.107	663.137	---	---	---	---	---	28
29	---		---	---	663.176	663.115	663.135	---	---	---	---	---	29
30	---		---	---	663.177	663.117	663.137	---	---	---	---	---	30
31	---		---		663.177		663.135	---		---		---	31
MEAN	---	---	---	---	---	663.142	663.142	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	663.168	663.158	---	---	---	---	---	MAX
MIN	---	---	---	---	---	663.107	663.101	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 38 36 N
LONG 108 50 46 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA, 196 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.23	0.199	0	0	0	0	0	---	---	1
2	---	---	0 B	0.820	0.155	0	0	0	0	0	---	---	2
3	---	---	0 B	0.493	0.105	0	0	0	0	0	---	---	3
4	---	---	0 B	0.356	0.213	0	0	0	0	0	---	---	4
5	---	---	0 B	0.277	0.242	0	0	0	0	0	---	---	5
6	---	---	0 B	0.213	0.288	0	0	0	0	0	---	---	6
7	---	---	1.89 B	0.164	0.185	0	0	0	0	0	---	---	7
8	---	---	3.71 B	0.129	0.108	0	0	0	0	0	---	---	8
9	---	---	3.50 B	0.100	0.073	0	0	0	0	0	---	---	9
10	---	---	2.79 B	0.079	0.058	0	0	0	0	0	---	---	10
11	---	---	3.00 B	0.063	0.042	0	0	0	0	0	---	---	11
12	---	---	1.97 B	0.053	0.027	0	0	0	0	0	---	---	12
13	---	---	1.21 B	0.044	0.011	0	0	0	0	0	---	---	13
14	---	---	0.801B	0.040	0.003	0	0	0	0	0	---	---	14
15	---	---	0.487B	0.026	0.010	0	0	0	0	0	---	---	15
16	---	---	0.597B	0.022	0.019	0	0	0	0	0	---	---	16
17	---	---	0.755B	0.013	0.018	0	0	0	0	0	---	---	17
18	---	---	0.920B	0.007	0.022	0	0	0	0	0	---	---	18
19	---	---	1.21 B	0.003	0.014	0	0	0	0	0	---	---	19
20	---	---	1.21 B	0.001	0.009	0	0	0	0	0	---	---	20
21	---	---	1.22 B	0	0.006	0	0	0	0	0	---	---	21
22	---	---	1.07 B	0	0.007	0	0	0	0	0	---	---	22
23	---	---	0.862B	0	0.009	0	0	0	0	0	---	---	23
24	---	---	0.663B	0	0.005	0	0	0	0	0	---	---	24
25	---	---	0.518B	0	0.003	0							25
26	---	---	0.408B	0	0.002	0	0	0	0	0	---	---	26
27	---	---	0.332B	0	0.002	0	0	0	0	0	---	---	27
28	---	---	0.351B	0	0.002	0	0	0	0	0	---	---	28
29	---	---	2.16	0.004	0.001	0	0	0	0	0	---	---	29
30	---		4.16	0.205	0.001		0	0		0		---	30
31	---		1.78		0		0			0			31
TOTAL	---	---	35.574	4.342	1.838	0	0	0	0	0	---	---	TOT
MEAN	---	---	1.15	0.145	0.059	0	0	0	0	0	---	---	MEA
MAX	---	---	3.71	1.23	0.288	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.170
MAXIMUM DAILY, 3.71B ON MAR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.71B AT 23:29 CST ON MAR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 45 N
LONG 106 30 03 W
DRAINAGE AREA, 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3 070	SEP	0
APR	375	OCT	0
MAY	159	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3 600 dam³

BRIGHTWATER RESERVOIR AT RIPARIAN OUTLET - STATION NO. 05HG006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	545.583	545.392	544.448	545.645	545.253	545.744	545.486	545.454	---	---	1
2	---	---	545.580	545.441	544.464	545.618	545.204	545.746	545.476	545.492	---	---	2
3	---	---	545.583	545.459	544.471	545.604	545.196	545.741	545.460	545.485	---	---	3
4	---	---	545.584	545.453	544.505	545.590	545.250	545.734	545.442	545.483	---	---	4
5	---	---	545.586	545.436	544.614	545.564	545.278	545.724	545.417	545.482	---	---	5
6	---	---	545.588	545.418	544.732	545.550	545.282	545.713	545.392	545.480	---	---	6
7	---	---	545.634	545.395	544.836	545.524	545.293	545.720	545.378	545.482	---	---	7
8	---	---	545.617	545.369	544.952	545.497	545.312	545.726	545.347	545.486	---	---	8
9	---	---	545.087	545.332	545.096	545.470	545.331	545.693	545.320	545.487	---	---	9
10	---	---	546.258	545.296	545.217	545.462	545.341	545.659	545.304	545.479	---	---	10
11	---	---	546.427	545.262	545.303	545.457	545.352	545.626	545.286	545.469	---	---	11
12	---	---	546.548	545.228	545.382	545.453	545.344	545.605	545.273	545.474	---	---	12
13	---	---	546.548	545.183	545.459	545.438	545.313	545.589	545.256	545.470	---	---	13
14	---	---	546.509	545.139	545.533	545.427	545.275	545.580	545.258	545.465	---	---	14
15	---	---	546.447	545.092	545.600	545.421	545.253	545.580	545.259	545.463	---	---	15
16	---	---	546.380	545.039	545.661	545.413	545.238	545.581	545.262	545.464	---	---	16
17	---	---	546.333	544.982	545.690	545.404	545.222	545.567	545.255	545.463	---	---	17
18	---	---	546.281	544.926	545.706	545.403	545.210	545.559	545.258	545.470	---	---	18
19	---	---	546.229	544.867	545.707	545.415	545.214	545.551	545.239	545.458	---	---	19
20	---	---	546.183	544.809	545.730	545.424	545.242	545.593	545.214	545.452	---	---	20
21	---	---	546.111	544.746	545.749	545.427	545.275	545.636	545.219	545.452	---	---	21
22	---	---	546.008	544.681	545.769	545.431	545.307	545.629	545.221	545.451	---	---	22
23	---	---	545.913	544.617	545.772	545.429	545.303	545.612	545.232	545.446	---	---	23
24	---	---	545.807	544.553	545.776	545.419	545.304A	545.594	545.234	545.423	---	---	24
25	---	---	545.694	544.484	545.769	545.412	545.395	545.569	545.229	545.455	---	---	25
26	---	---	545.575	544.421	545.753	545.402	545.419	545.555	545.214	545.453	---	---	26
27	---	545.579A	545.452	544.410	545.742	545.384	545.473	545.549	545.212	545.452	---	---	27
28	---	545.580	545.327	544.408	545.735	545.364	545.541	545.538	545.243	545.459	---	---	28
29	---		545.237	544.419	545.719	545.334	545.612	545.528	545.312	545.451	---	---	29
30	---		545.243	544.431	545.696	545.299	545.679	545.515	545.372	545.456A	---	---	30
31	---		545.325		545.670		545.733	545.495		545.456E		---	31
MEAN	---	---	545.899	544.990	545.363	545.456	545.341	545.621	545.302	545.466	---	---	MEAN
MAX	---	---	546.548	545.459	545.776	545.645	545.733	545.746	545.486	545.492	---	---	MAX
MIN	---	---	545.237	544.408	544.448	545.299	545.196	545.495	545.212	545.448	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 546.548 ON MAR 12
MINIMUM DAILY, 544.408 ON APR 28
MAXIMUM INSTANTANEOUS,
546.571 AT 21:42 CST ON MAR 12

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 46 N
LONG 106 32 16 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1967

DRAINAGE AREA,
1 540 km²

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. 05HF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	5.44	10.8	4.87	7.21	0	---	---	1
2	---	---	0	0	0	5.45	10.8	4.87	6.04	0	---	---	2
3	---	---	0	0	0	5.48	10.8	4.87	6.04	0	---	---	3
4	---	---	0	0	0	5.54	7.81	4.87	6.04	0	---	---	4
5	---	---	0	0	0	5.57	6.00	4.87	6.04	0	---	---	5
6	---	---	0	0	0	5.60	6.00	4.87	6.04	0	---	---	6
7	---	---	0	0	3.57	5.64	6.00	5.65	6.04	0	---	---	7
8	---	---	0	0	5.36	5.71	6.00	6.04	6.04	0	---	---	8
9	---	---	0	0	5.36	5.74	6.01	8.65	6.04	0	---	---	9
10	---	---	0	0	5.36	5.54	6.01	9.74	6.04	0	---	---	10
11	---	---	0	0	5.36	5.58	6.03	9.74	6.04	0	---	---	11
12	---	---	0	0	5.36	7.18	6.04	9.74	6.04	0	---	---	12
13	---	---	0	0	5.37	7.87	9.28	9.74	6.04	0	---	---	13
14	---	---	0	0	5.37	7.88	10.9	9.74	3.80	0	---	---	14
15	---	---	0	0	5.37	7.90	10.9	9.74	0	0	---	---	15
16	---	---	0	0	8.40	7.91	10.9	9.74	0	0	---	---	16
17	---	---	0	0	9.77	7.94	10.9	9.74	0	0	---	---	17
18	---	---	0	0	9.77	7.95	10.9	9.74	0	0	---	---	18
19	---	---	0	0	9.77	7.98	10.9	9.74	0	0	---	---	19
20	---	---	0	0	9.80	6.01	10.9	9.74	0	0	---	---	20
21	---	---	0	0	9.80	4.83	10.9	9.74	0	0	---	---	21
22	---	---	0	0	9.80	4.83	12.1	9.74	0	0	---	---	22
23	---	---	0	0	9.80	4.83	12.9	9.74	0	0	---	---	23
24	---	---	0	0	9.75	4.83	12.9	9.74	0	0	---	---	24
25	---	---	0	0	5.38	4.83	12.9	9.74	0	0	---	---	25
26	---	---	0	0	5.38	2.61	12.9	9.74	0	0	---	---	26
27	---	---	0	0	5.40	0.300	6.54	9.74	0	0	---	---	27
28	---	---	0	0	5.40	4.24	4.87	9.74	0	0	---	---	28
29	---	---	0	0	5.40	9.41	4.87	9.74	0	0	---	---	29
30	---		0	0	5.40	10.8	4.87	9.74	0	0	---	---	30
31	---		0		5.41		4.87	9.74		0		---	31
TOTAL	---	---	0	0	167.91	181.420	274.50	263.84	83.49	0	---	---	TOTAL
MEAN	---	---	0	0	5.42	6.05	8.85	8.51	2.78	0	---	---	MEAN
MAX	---	---	0	0	9.80	10.8	12.9	9.74	7.21	0	---	---	MAX
MIN	---	---	0	0	0	0.300	4.87	4.87	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.96
MAXIMUM DAILY, 12.9 ON JUL 23
MINIMUM DAILY, 0 ON MAR 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 17 07 N
LONG 106 50 10 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23 700
FEB	---	AUG	22 900
MAR	0	SEP	7 210
APR	0	OCT	0
MAY	14 500	NOV	---
JUN	15 700	DEC	---

TOTAL DISCHARGE, 83 900 dam³

BRODERICK RESERVOIR AT WEST EMBANKMENT - STATION NO. 05HF017

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	562.399	562.486	562.405	563.501	563.387	562.248	563.219	561.555	---	---	1
2	---	---	562.397	562.483	562.390	563.491	563.427	562.175	563.196	561.530	---	---	2
3	---	---	562.406	562.485	562.364	563.489	563.464	562.060	563.144	561.516	---	---	3
4	---	---	562.411	562.484	562.303	563.492	563.528	561.949	563.158	561.511	---	---	4
5	---	---	562.416	562.482	562.225	563.482	563.537	561.849	563.404	561.511	---	---	5
6	---	---	562.417	562.483	562.144	563.470	563.540	561.736	563.441	561.511	---	---	6
7	---	---	562.426	562.484	562.056	563.458	563.548	561.616	563.469	561.509	---	---	7
8	---	---	562.435	562.489	562.020	563.444	563.566	561.496	563.493	561.509	---	---	8
9	---	---	562.441	562.488	562.041	563.435	563.597	561.378	563.507	561.507	---	---	9
10	---	---	562.444	562.486	562.062	563.417	563.629	561.335	563.525	561.501	---	---	10
11	---	---	562.448	562.487	562.084	563.378	563.626	561.325	563.547	561.500	---	---	11
12	---	---	562.455	562.489	562.104	563.352	563.579	561.294	563.555	561.493	---	---	12
13	---	---	562.473	562.490	562.129	563.397	563.524	561.273	563.554	561.495	---	---	13
14	---	---	562.473	562.492	562.141	563.436	563.507	561.273	563.557	561.494	---	---	14
15	---	---	562.472	562.493	562.172	563.479	563.501	561.308	563.500	561.492	---	---	15
16	---	---	562.474	562.490	562.223	563.536	563.483	561.361	563.407	561.488	---	---	16
17	---	---	562.474	562.489	562.364	563.588	563.429	561.434	563.327	561.485	---	---	17
18	---	---	562.471	562.491	562.514	563.637	563.351	561.528	563.232	561.479	---	---	18
19	---	---	562.474	562.490	562.666	563.687	563.256	561.620	563.125	561.483	---	---	19
20	---	---	562.475	562.493	562.817	563.731	563.097	561.740	563.012	561.478	---	---	20
21	---	---	562.474	562.494	562.958	563.721	562.958	561.854	562.900	561.477	---	---	21
22	---	---	562.470	562.494	563.103	563.702	562.829	561.962	562.782	561.474	---	---	22
23	---	---	562.469E	562.485	563.238	563.686	562.749	562.076	562.669	561.474	---	---	23
24	---	---	562.470E	562.469	563.357	563.671	562.677	562.192	562.549	561.470	---	---	24
25	---	---	562.471E	562.455	563.394	563.660	562.577	562.314	562.428	561.471	---	---	25
26	---	---	562.472E	562.443	563.411	563.636	562.473	562.441	562.289	561.465	---	---	26
27	---	562.394A	562.474A	562.430	563.432	563.530	562.439	562.567	562.131	561.464	---	---	27
28	---	562.393	562.479A	562.418	563.459	563.409	562.426	562.698	561.980	561.459	---	---	28
29	---		562.479	562.417	563.490	563.353	562.306	562.840	561.842	561.461	---	---	29
30	---		562.482	562.413	563.511	563.362	562.342	562.967	561.675	561.458A	---	---	30
31	---		562.484		563.516		562.299	563.089		561.458E		---	31
MEAN	---	---	562.455	562.476	562.648	563.521	563.152	561.904	563.035	561.490	---	---	MEAN
MAX	---	---	562.484	562.494	563.516	563.731	563.629	563.089	563.557	561.555	---	---	MAX
MIN	---	---	562.397	562.413	562.020	563.352	562.299	561.273	561.675	561.458	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 563.731 ON JUN 20
MINIMUM DAILY, 561.273 ON AUG 13
MAXIMUM INSTANTANEOUS,
563.741 AT 14:43 CST ON JUN 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 55 N
LONG 106 55 18 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1968

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. 05JE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.461B	0	0	0	0.086	0	0	---	---	1
2	---	---	0 B	0.240	0	0	0	0.048	0	0	---	---	2
3	---	---	0 B	0.155	0	0	0	0.029	0	0	---	---	3
4	---	---	0 B	0.113	0	0	0.210A	0.015	0	0	---	---	4
5	---	---	0 B	0.055	0	0	0.136	0.007	0	0	---	---	5
6	---	---	0 B	0.023A	0	0	0.054	0.002	0	0	---	---	6
7	---	---	0 B	0.012	0	0	0.033	0	0	0	---	---	7
8	---	---	0 B	0.007	0	0	0.021	0	0	0	---	---	8
9	---	---	0 B	0.004	0	0	0.011	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0.005	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0.001	0	0	0	---	---	11
12	---	---	0 B	0 A	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---		0.001B	0	0	0	0.202A	0	0	0	---	---	30
31	---		0.198B		0		0.177	0		0		---	31
TOTAL	---	---	0.199	1.070	0	0	0.850	0.187	0	0	---	---	TOTAL
MEAN	---	---	0.006	0.036	0	0	0.027	0.006	0	0	---	---	MEAN
MAX	---	---	0.198	0.461	0	0	0.210	0.086	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.461B ON APR 01
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.517B AT 01:15 CST ON APR 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 55 N
LONG 104 13 07 W

DRAINAGE AREA, 153 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	73.4
FEB	---	AUG	16.1
MAR	17.2	SEP	0
APR	92.4	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 199 dam³

BUFFALO POUND LAKE AT PUMPING STATION - STATION NO. 05JG009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	509.345E	509.347	509.282	509.467	509.441	509.476	509.356	509.399	509.361	509.384	509.400	509.333	1
2	509.346E	509.349	509.283	509.471	509.424	509.474	509.334	509.393	509.369	509.410	509.426	509.331	2
3	509.346E	509.350	509.287	509.480	509.440	509.472	509.404	509.399	509.382	509.425	509.386	509.333	3
4	509.346E	509.349	509.291	509.484	509.453	509.466	509.411	509.384	509.363	509.379	509.359	509.331	4
5	509.347E	509.349	509.294	509.485	509.447	509.492	509.367	509.379	509.373	509.383	509.405	509.334	5
6	509.347E	509.348	509.297	509.484	509.453	509.464	509.376	509.356	509.375	509.393	509.371	509.335	6
7	509.347E	509.346	509.311	509.487	509.465	509.456	509.414	509.368	509.375	509.379	509.358	509.335	7
8	509.348E	509.342	509.328	509.488	509.455	509.458	509.421	509.369	509.375	509.380	509.371	509.335	8
9	509.348E	509.338	509.344	509.483	509.451	509.442	509.411	509.351	509.376	509.383	509.363	509.336	9
10	509.349E	509.337	509.354	509.480	509.460	509.408	509.409	509.345	509.369	509.434	509.361	509.336	10
11	509.349E	509.330	509.365	509.476	509.459	509.448	509.429	509.345	509.375	509.413	509.362	509.336	11
12	509.349E	509.331	509.389	509.472	509.446	509.429	509.408	509.341	509.350	509.384	509.359	509.340	12
13	509.350E	509.324	509.412	509.468	509.452	509.432	509.410	509.349	509.388	509.407	509.359	509.341	13
14	509.350E	509.320	509.415	509.465	509.439	509.414	509.423	509.327	509.380	509.420	509.361	509.341	14
15	509.350A	509.316	509.423	509.461	509.460	509.396	509.405	509.319	509.372	509.409	509.358	509.342	15
16	509.351	509.311	509.430	509.456	509.505	509.389	509.380	509.314	509.318	509.416	509.355	509.340	16
17	509.351	509.308	509.430	509.449	509.465	509.400	509.393	509.311	509.379	509.410	509.356	509.335A	17
18	509.348	509.306	509.432	509.447	509.433	509.401	509.366	509.305	509.378	509.378	509.354	509.338	18
19	509.350	509.302	509.436	509.444	509.465	509.413	509.355	509.314	509.373	509.423	509.354	509.336A	19
20	509.350	509.301	509.442	509.432	509.455	509.401	509.345	509.316A	509.416	509.428	509.352	509.337E	20
21	509.351	509.302	509.448	509.406	509.463	509.396	509.340	509.326E	509.389	509.394	509.351	509.335E	21
22	509.349	509.297	509.448	509.403	509.460	509.376	509.343	509.333A	509.387	509.407	509.345	509.334E	22
23	509.352	509.297	509.447	509.404	509.441	509.354	509.334	509.340	509.390	509.407	509.343	509.334E	23
24	509.351	509.289	509.447	509.396	509.416	509.375	509.337	509.347	509.406	509.381	509.341	509.330E	24
25	509.347	509.289	509.450	509.403	509.409	509.372	509.322	509.343	509.397	509.397	509.336	509.330E	25
26	509.351	509.290	509.451	509.403	509.460	509.352	509.359	509.348	509.412	509.452	509.337	509.333E	26
27	509.346	509.284	509.454	509.397	509.470	509.365	509.393	509.362	509.400	509.391	509.336	509.334A	27
28	509.347	509.282	509.456	509.421	509.461	509.361	509.430	509.368	509.400	509.382	509.336	509.332	28
29	509.354		509.457	509.450A	509.419	509.372	509.402	509.367	509.361	509.388	509.335	509.328	29
30	509.350		509.461	509.449A	509.425	509.338	509.393	509.362	509.411	509.381	509.338	509.325	30
31	509.350		509.463		509.457		509.380	509.396		509.387		509.326	31
MEAN	509.349	509.319	509.394	509.451	509.450	509.413	509.382	509.351	509.380	509.400	509.359	509.334	MEAN
MAX	509.354	509.350	509.463	509.488	509.505	509.492	509.430	509.399	509.416	509.452	509.426	509.342	MAX
MIN	509.345	509.282	509.282	509.396	509.409	509.338	509.322	509.305	509.318	509.378	509.335	509.325	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 509.382
MAXIMUM DAILY, 509.505 ON MAY 16
MINIMUM DAILY, 509.282 ON FEB 28
MAXIMUM INSTANTANEOUS,
509.594 AT 19:11 CST ON JUN 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 00 N
LONG 105 23 10 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
3 310 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE PEAK WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	7.37 B	0.722	0.002	0	0	0	0	---	---	1
2	---	---	0 B	5.36	0.745	0.003	0	0	0	0	---	---	2
3	---	---	0 B	7.72	0.700	0.003	0.029	0	0	0	---	---	3
4	---	---	0 B	9.87	1.09	0.004	0.099	0	0	0	---	---	4
5	---	---	0 B	8.57	1.33	0.001	0.236	0	0	0	---	---	5
6	---	---	0 B	7.41	1.21	0.002	0.100	0	0	0	---	---	6
7	---	---	0 B	4.69	1.17	0.002	0.023	0	0	0	---	---	7
8	---	---	0 B	3.14	1.04	0.001	0.012	0	0	0	---	---	8
9	---	---	0 B	2.14	1.03	0.001	0.017	0	0	0	---	---	9
10	---	---	0 B	1.39	1.06	0	0.006	0	0	0	---	---	10
11	---	---	0 B	1.21	0.646	0	0.002	0	0	0	---	---	11
12	---	---	0 B	1.18	0.500	0	0.001	0	0	0	---	---	12
13	---	---	0 B	1.30	0.405	0	0	0	0	0.092	---	---	13
14	---	---	0 B	1.47	0.333	0	0	0	0	0.133	---	---	14
15	---	---	0.001B	1.40	0.274	0	0	0	0	0.029	---	---	15
16	---	---	0.001B	1.24	0.239	0	0	0	0	0.088	---	---	16
17	---	---	0 B	1.14	0.229	0	0	0	0	0.134	---	---	17
18	---	---	0 B	1.22	0.179	0	0	0	0	0.042	---	---	18
19	---	---	0 B	1.80	0.147	0	0	0	0	0.002	---	---	19
20	---	---	0 B	2.06	0.114	0	0	0	0	0.003	---	---	20
21	---	---	0 B	2.14	0.084	0	0	0	0	0.007	---	---	21
22	---	---	0 B	1.90	0.057	0	0	0	0	0.006	---	---	22
23	---	---	0 B	1.73	0.032	0	0	0	0	0.004	---	---	23
24	---	---	0 B	1.33	0.012	0	0	0	0	0.003	---	---	24
25	---	---	0 B	1.09	0.010	0	0	0	0	0.002	---	---	25
26	---	---	0.048B	0.976	0.008	0	0	0	0	0.001	---	---	26
27	---	---	0.085B	0.839	0.004	0	0	0	0	0	---	---	27
28	---	---	0.018B	0.743	0.004	0	0	0	0	0	---	---	28
29	---	---	0.332B	0.680	0.006	0	0	0	0	0 A	---	---	29
30	---		8.78 B	0.646	0.003	0	0	0	0	0 E	---	---	30
31	---		11.9 B		0.003		0	0		0 E		---	31
TOTAL	---	---	21.165	83.754	13.386	0.019	0.525	0	0	0.546	---	---	TOTAL
MEAN	---	---	0.683	2.79	0.432	0.001	0.017	0	0	0.018	---	---	MEAN
MAX	---	---	11.9	9.87	1.33	0.004	0.236	0	0	0.134	---	---	MAX
MIN	---	---	0	0.646	0.003	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.487
MAXIMUM DAILY, 11.9B ON MAR 31
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
17.1B AT 00:41 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 06 16 N
LONG 103 40 45 W
DRAINAGE AREA, 305 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	45.3
FEB	---	AUG	0
MAR	1 830	SEP	0
APR	7 240	OCT	47.2
MAY	1 160	NOV	---
JUN	1.64	DEC	---

TOTAL DISCHARGE, 10 300 dam³

CANDLE LAKE AT CANDLE LAKE - STATION NO. 05KE008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	494.262A	494.260	494.328	494.402A	494.443	494.397	494.302	494.225	---	---	1
2	---	---	494.253	494.260	494.330	494.389A	494.435	494.398	494.305	494.195	---	---	2
3	---	---	494.254	494.261	494.333	494.394	494.452A	494.390	494.300	494.215	---	---	3
4	---	---	494.256	494.258	494.331	494.389	494.467	494.388	494.298	494.197	---	---	4
5	---	---	494.256	494.257	494.334	494.398	494.469	494.388	494.293	494.188	---	---	5
6	---	---	494.257	494.261	494.335	494.400	494.461	494.385	494.296	494.193	---	---	6
7	---	---	494.258	494.260	494.338	494.402	494.461	494.386	494.287	494.209A	---	---	7
8	---	---	494.259	494.261	494.351	494.401	494.462	494.378	494.279	494.204A	---	---	8
9	---	---	494.258	494.261	494.350	494.404	494.459	494.374	494.281	494.199	---	---	9
10	---	---	494.258	494.263	494.352	494.404	494.473	494.371	494.282	494.185	---	---	10
11	---	---	494.260	494.266	494.354	494.428	494.471A	494.365	494.264	494.173	---	---	11
12	---	---	494.259	494.266	494.357	494.432	494.462	494.361	494.244	494.168	---	---	12
13	---	494.245A	494.257	494.265	494.359	494.431	494.454	494.361	494.262	494.189	---	---	13
14	---	---	494.257	494.265	494.365	494.430	494.438	494.353	494.264	494.178	---	---	14
15	---	---	494.258	494.270	494.368	494.428	494.423	494.351	494.268	494.170A	---	---	15
16	---	---	494.257	494.270	494.374	494.428	494.417	494.344	494.255	494.166	---	---	16
17	---	---	494.254	494.273	494.376	494.431	494.409	494.340	494.259	494.178	---	---	17
18	---	494.242A	494.253	494.277	494.378	494.437	494.402	494.328	494.251	494.143	---	---	18
19	---	494.243A	494.256	494.277	494.386	494.437	494.398	494.330	494.254	494.172	---	---	19
20	---	494.245	494.251	494.277	494.390	494.441	494.395	494.331	494.248	494.177	---	---	20
21	---	494.245	494.252	494.280	494.391	494.441	494.391	494.331	494.258	494.169	---	---	21
22	---	494.246	494.248	494.281	494.398	494.441	494.392	494.327	494.278	494.179	---	---	22
23	---	494.248	494.251	494.283	494.395	494.438	494.392	494.324	494.275	494.168	---	---	23
24	---	494.245	494.256	494.288	494.392	494.441	494.394	494.316	494.270	494.174	---	---	24
25	---	494.253	494.257	494.291	494.393	494.444	494.387	494.313	494.267	494.185	---	---	25
26	---	494.254A	494.257	494.297	494.405	494.442A	494.386	494.311	494.243	494.167	---	---	26
27	---	494.255A	494.259	494.298	494.398	494.439	494.402	494.311	494.247	494.169	---	---	27
28	---	494.259A	494.260	494.304	494.393	494.448	494.411	494.309	494.248	494.160	---	---	28
29	---		494.261	494.319	494.394	494.449	494.399	494.307	494.232	494.179	---	---	29
30	---		494.264	494.326	494.394	494.447	494.396	494.303	494.238	494.149	---	---	30
31	---		494.261		494.402		494.397	494.298		---		---	31
MEAN	---	---	494.257	494.276	494.369	494.425	494.426	494.347	494.268	---	---	---	MEAN
MAX	---	---	494.264	494.326	494.405	494.449	494.473	494.398	494.305	---	---	---	MAX
MIN	---	---	494.248	494.257	494.328	494.389	494.386	494.298	494.232	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 494.473 ON JUL 10

MAXIMUM INSTANTANEOUS,
494.517 AT 20:24 CST ON JUN 20

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 46 10 N
LONG 105 18 14 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
1 690 km²

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

CANOE RIVER NEAR BEAUVAL - STATION NO. 06BB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.55B	1.91B	1.49B	2.31B	19.7	15.1	4.31	2.89	2.96	2.98	2.73B	1.38 B	1
2	3.34B	1.88B	1.49B	2.35B	20.4	14.1	4.22	2.90	2.82	3.02	2.23B	1.46 B	2
3	3.20B	1.89B	1.50B	2.77B	20.6	13.9	4.17	2.87	2.77	3.11	2.11B	1.52 B	3
4	2.95B	2.05B	1.52B	3.21B	21.0	13.8	4.95	2.85	2.78	3.10	2.59B	1.62 B	4
5	2.71B	2.24B	1.54B	3.53B	21.6	13.4	4.91	2.77	2.79	3.13	2.62B	1.57 B	5
6	2.54B	2.18B	1.56B	3.08B	21.3	13.1	4.64	2.70	2.84	3.09	2.86B	1.48 B	6
7	2.46B	2.12B	1.58B	3.26B	20.9	12.7	4.56	2.66	2.83	3.05	2.54B	1.53 B	7
8	2.42B	2.00B	1.60B	3.77B	21.6	12.3	4.43	2.67	2.81	3.01	2.01B	1.52 B	8
9	2.50B	1.96B	1.61B	4.71B	22.6	12.0	4.36	2.66	2.82	3.02	2.05B	1.47 B	9
10	2.55B	1.97B	1.62B	5.39B	22.3	11.6	4.28	2.62	2.83	3.19	1.88B	1.38 B	10
11	2.67B	1.92B	1.63B	5.71B	22.1	11.8	4.09	2.58	2.84	3.38	1.87B	1.36 B	11
12	2.65B	1.85B	1.63B	6.05B	21.9	11.6	3.90	2.52	2.89	3.35	1.74B	1.29 B	12
13	2.40B	1.79B	1.64B	6.66B	21.6	11.0	3.77	2.63	2.92	3.35	1.77B	1.17 B	13
14	2.32B	1.77B	1.64B	6.94B	21.7	10.3	3.67	2.55	2.93	3.25	1.87B	1.10 B	14
15	2.28B	1.67B	1.64B	7.17B	21.4	10.1	3.61	2.53	2.91	3.23	1.86B	1.03 B	15
16	2.30B	1.62B	1.64B	7.87B	20.8	9.68	3.49	2.51	2.91	3.20	1.89B	0.997B	16
17	2.30B	1.60B	1.64B	7.93B	20.9	9.07	3.43	2.61	2.93	2.49	1.90B	0.983B	17
18	2.23B	1.57B	1.64B	8.40B	20.7	8.66	3.45	2.64	2.92	3.41B	1.85B	0.994B	18
19	2.16B	1.54B	1.64B	9.64B	21.3	8.33	3.40	2.63	2.88	3.14B	1.73B	0.959B	19
20	2.08B	1.52B	1.65B	12.9 B	21.4	7.87	3.30	2.54	2.90	2.83B	1.62B	0.894B	20
21	2.12B	1.50B	1.63B	17.3 B	21.2	7.56	3.17	2.43	2.93	2.99B	1.60B	0.844B	21
22	2.15B	1.49B	1.60B	16.9	20.9	7.18	3.02	2.47	2.94	2.96B	1.60B	0.831B	22
23	2.19B	1.49B	1.61B	18.2	20.8	6.75	2.97	2.53	2.95	3.02B	1.59B	0.707B	23
24	2.15B	1.49B	1.63B	19.1	20.4	6.23	2.96	2.60	2.92	2.72B	1.62B	0.648B	24
25	2.14B	1.49B	1.61B	20.7	19.7	5.88	2.95	2.62	2.90	3.08B	1.60B	0.628B	25
26	2.18B	1.49B	1.58B	20.4	18.8	5.50	2.89	2.53	2.90	2.70B	1.58B	0.597B	26
27	2.20B	1.49B	1.57B	19.8	18.2	5.25	2.95	2.52	2.95	2.65B	1.50B	0.575B	27
28	2.17B	1.49B	1.55B	19.3	17.5	4.98	3.11	2.55	2.99	2.43B	1.43B	0.555B	28
29	2.16B		1.52B	18.7	16.9	4.67	3.10	2.55	2.98	2.53B	1.39B	0.513B	29
30	2.14B		2.17B	18.7	16.4	4.41	3.00	2.60	2.98	2.42B	1.37B	0.478B	30
31	2.00B		2.45B		15.7		2.88	2.96		2.57B		0.455B	31
TOTAL	75.23	48.98	50.92	302.75	632.3	288.82	113.94	81.69	86.72	92.40	57.00	32.538	TOTAL
MEAN	2.43	1.75	1.64	10.1	20.4	9.63	3.68	2.64	2.89	2.98	1.90	1.05	MEAN
MAX	3.55	2.24	2.45	20.7	22.6	15.1	4.95	2.96	2.99	3.41	2.86	1.62	MAX
MIN	2.00	1.49	1.49	2.31	15.7	4.41	2.88	2.43	2.77	2.42	1.37	0.455	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.10
MAXIMUM DAILY, 22.6 ON MAY 09
MINIMUM DAILY, 0.455B ON DEC 31
MAXIMUM INSTANTANEOUS,
22.7 AT 19:46 CST ON MAY 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 24 29 N
LONG 108 02 25 W

DRAINAGE AREA, 4 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 500	JUL	9 840
FEB	4 230	AUG	7 060
MAR	4 400	SEP	7 490
APR	26 200	OCT	7 980
MAY	54 600	NOV	4 920
JUN	25 000	DEC	2 810

TOTAL DISCHARGE, 161 000 dam³

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	29.1 B	1.86	0.092	0.025	0	0	0	---	---	1
2	---	---	0 B	39.3 B	1.78	0.059	0.031	0	0	0	---	---	2
3	---	---	0 B	47.3 B	1.60	0.032	0.044	0	0	0	---	---	3
4	---	---	0 B	47.9 B	1.50	0.027	0.086	0	0	0	---	---	4
5	---	---	0 B	35.8 B	1.42	0.038	0.341	0	0	0	---	---	5
6	---	---	0 B	25.7 B	1.39	0.027	0.326	0	0	0	---	---	6
7	---	---	0 B	21.9	1.25	0.022	0.269	0	0	0	---	---	7
8	---	---	0 B	17.7	1.24	0.021	0.189	0	0	0	---	---	8
9	---	---	0 B	17.2	1.24	0.018	0.144	0	0	0	---	---	9
10	---	---	0 B	16.2	1.18	0.014	0.120	0	0	0	---	---	10
11	---	---	0 B	15.0	1.25	0.018	0.107	0	0	0	---	---	11
12	---	---	0 B	12.6	1.20	0.017	0.085	0	0	0	---	---	12
13	---	---	0 B	8.64	1.13	0.015	0.071	0	0	0	---	---	13
14	---	---	0 B	6.47	1.06	0.013	0.056	0	0	0	---	---	14
15	---	---	0 B	6.16	0.973	0.005	0.047	0	0	0	---	---	15
16	---	---	0 B	5.26	0.892	0.002	0.052	0	0	0	---	---	16
17	---	---	0 B	4.70	0.795	0.006	0.053	0	0	0	---	---	17
18	---	---	0 B	4.21	0.724	0.006	0.035	0	0	0	---	---	18
19	---	---	0 B	3.94	0.695	0.007	0.042	0	0	0	---	---	19
20	---	---	0 B	3.72	0.648	0.013	0.045	0	0	0	---	---	20
21	---	---	0 B	3.34	0.617	0.017	0.046	0	0	0	---	---	21
22	---	---	0 B	2.98	0.596	0.011	0.034	0	0	0	---	---	22
23	---	---	0 B	2.81	0.435	0.008	0.018	0	0	0	---	---	23
24	---	---	0 B	3.05	0.322	0.006	0.007	0	0	0	---	---	24
25	---	---	0 B	3.09	0.233	0.009	0.004	0	0	0	---	---	25
26	---	---	0 B	3.16	0.197	0.005	0.005	0	0	0	---	---	26
27	---	---	0 B	2.84	0.171	0.004	0.003	0	0	0	---	---	27
28	---	---	0.001B	2.56	0.153A	0.007	0.001	0	0	0	---	---	28
29	---	---	0.100B	2.49	0.127E	0.016	0.001	0	0	0	---	---	29
30	---		1.50 B	2.14	0.101E	0.022	0.001	0	0	0	---	---	30
31	---		12.6 B		0.077A		0	0		0		---	31
TOTAL	---	---	14.201	397.26	26.856	0.557	2.268	0	0	0	---	---	TOTAL
MEAN	---	---	0.458	13.2	0.866	0.019	0.073	0	0	0	---	---	MEAN
MAX	---	---	12.6	47.9	1.86	0.092	0.341	0	0	0	---	---	MAX
MIN	---	---	0	2.14	0.077	0.002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.80
MAXIMUM DAILY, 47.9B ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
50.5B AT 04:37 CST ON APR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 08 11 N
LONG 104 01 15 W
DRAINAGE AREA, 4 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	196
FEB	---	AUG	0
MAR	1 230	SEP	0
APR	34 300	OCT	0
MAY	2 320	NOV	---
JUN	48.1	DEC	---

TOTAL DISCHARGE, 38 100 dam³

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.348B	0.044	0.004	0	0	0.001	0	---	---	1
2	---	---	0 B	0.234B	0.040	0.002	0	0	0.001	0	---	---	2
3	---	---	0 B	0.147B	0.042	0.001	0.017	0	0.001	0	---	---	3
4	---	---	0 B	0.169B	0.097	0	0.047	0	0.001	0	---	---	4
5	---	---	0 B	0.199B	0.144	0	0.042	0	0.001	0	---	---	5
6	---	---	0 B	0.120B	0.080	0.025	0.047	0	0.001	0	---	---	6
7	---	---	0 B	0.082B	0.061	0.002	0.044	0	0.001	0	---	---	7
8	---	---	0 B	0.112B	0.072	0.001	0.034	0.001	0.001	0	---	---	8
9	---	---	0 B	0.313B	0.069	0	0.031	0	0	0	---	---	9
10	---	---	0 B	0.277B	0.048	0	0.032	0	0	0	---	---	10
11	---	---	0 B	0.111	0.040	0.002	0.031	0	0	0	---	---	11
12	---	---	0 B	0.089	0.032	0.007	0.027	0	0	0	---	---	12
13	---	---	0 B	0.070	0.025	0.005	0.017	0	0	0	---	---	13
14	---	---	0 B	0.052	0.019	0.003	0.014	0	0	0	---	---	14
15	---	---	0 B	0.047	0.014	0	0.016	0.001	0	0	---	---	15
16	---	---	0 B	0.093	0.014	0	0.014	0.001	0	0	---	---	16
17	---	---	0 B	0.057	0.013	0	0.015	0.001	0	0	---	---	17
18	---	---	0 B	0.051	0.012	0	0.010	0.001	0	0	---	---	18
19	---	---	0 B	0.059	0.010	0	0.009	0.001	0	0	---	---	19
20	---	---	0 B	0.420	0.009	0	0.012	0.001	0	0	---	---	20
21	---	---	0 B	0.344	0.011	0	0.012	0.001	0	0	---	---	21
22	---	---	0 B	0.155	0.017	0	0.013	0.001	0	0	---	---	22
23	---	---	0 B	0.086	0.020	0	0.011	0.001	0	0	---	---	23
24	---	---	0 B	0.075	0.020	0	0.009	0.001	0	0.001	---	---	24
25	---	---	0 B	0.057	0.017	0	0.005	0.001	0	0.001	---	---	25
26	---	---	0 B	0.057	0.014	0	0.002	0.001	0	0.001	---	---	26
27	---	---	0 B	0.050	0.013	0	0.003	0.001	0	0.001	---	---	27
28	---	---	0.050B	0.047	0.014	0	0.003	0.001	0	0.001	---	---	28
29	---	---	0.213B	0.051	0.010	0	0	0.001	0	0	---	---	29
30	---		0.490B	0.047	0.010	0	0	0.001	0	0	---	---	30
31	---		0.487B		0.005		0	0.001		0		---	31
TOTAL	---	---	1.240	4.019	1.036	0.052	0.517	0.018	0.008	0.005	---	---	TOTAL
MEAN	---	---	0.040	0.134	0.033	0.002	0.017	0.001	0	0	---	---	MEAN
MAX	---	---	0.490	0.420	0.144	0.025	0.047	0.001	0.001	0.001	---	---	MAX
MIN	---	---	0	0.047	0.005	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.028
MAXIMUM DAILY, 0.490B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.52 AT 14:03 CST ON APR 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 56 55 N
LONG 105 00 18 W
DRAINAGE AREA, 1 170 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	44.7
FEB	---	AUG	1.56
MAR	107	SEP	0.69
APR	347	OCT	0.4
MAY	89.5	NOV	---
JUN	4.49	DEC	---

TOTAL DISCHARGE, 595 dam³

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.421B	0.400B	0.396B	76.8B	13.1	3.39	2.12	0.299	0.110	0.129	0.254	0.240B	1
2	0.434B	0.435B	0.389B	102 B	13.1	3.25	1.90	0.304	0.113	0.150	0.315	0.206B	2
3	0.441B	0.510B	0.387B	123 B	13.4	3.02	1.87	0.270	0.107	0.197	0.307	0.304B	3
4	0.430B	0.563B	0.387B	146	16.0	2.45	2.16	0.253	0.104	0.209	0.308	0.367B	4
5	0.429B	0.560B	0.391B	158	21.5	2.18	3.08	0.237	0.101	0.187	0.307	0.321B	5
6	0.421B	0.541B	0.394B	175	28.8	2.07	4.30	0.218	0.091	0.178	0.307	0.282B	6
7	0.413B	0.514B	0.403B	178	32.6	2.36	5.12	0.185	0.077	0.177	0.304	0.268B	7
8	0.437B	0.468B	0.407B	173	30.9	2.26	5.24	0.163	0.073	0.177	0.297	0.252B	8
9	0.406B	0.441B	0.428B	151	27.4	2.27	4.73	0.137	0.066	0.194	0.306	0.236B	9
10	0.400B	0.392B	0.394B	102	24.5	2.24	4.04	0.110	0.059	0.242	0.307	0.214B	10
11	0.407B	0.379B	0.406B	60.6	23.5	2.46	3.75	0.095	0.054	0.316	0.298	0.170B	11
12	0.377B	0.423B	0.408B	42.3	21.1	2.30	3.44	0.084	0.053	0.329	0.279	0.130B	12
13	0.376B	0.391B	0.398B	33.6	18.1	2.69	3.32	0.079	0.051	0.317	0.265	0.081B	13
14	0.385B	0.373B	0.394B	28.1	15.7	3.49	2.82	0.080	0.052	0.309	0.254	0.051B	14
15	0.388B	0.366B	0.394B	24.1	13.7	3.28	2.08	0.060	0.044	0.317	0.244	0.039B	15
16	0.385B	0.366B	0.404B	21.0	12.5	2.86	1.68	0.049	0.038	0.346	0.234	0.027B	16
17	0.388B	0.366B	0.397B	18.9	11.6	2.32	1.29	0.040	0.028	0.390	0.209	0.035B	17
18	0.380B	0.369B	0.401B	16.9	10.2	2.02	1.08	0.029	0.021	0.411	0.186	0.025B	18
19	0.387B	0.366B	0.451B	14.8	9.06	1.71	0.831	0.023	0.019	0.396	0.189B	0.067B	19
20	0.391B	0.379B	0.558B	16.4	8.40	1.38	0.690	0.020	0.028	0.374	0.202B	0.069B	20
21	0.396B	0.401B	0.953B	20.7	8.23	1.20	0.599	0.016	0.032	0.354	0.218B	0.056B	21
22	0.386B	0.390B	0.793B	22.7	7.90	1.10	0.529	0.015	0.025	0.335	0.212B	0.044B	22
23	0.393B	0.398B	0.596B	24.4	7.15	0.887	0.523	0.011	0.020	0.319	0.196B	0.040B	23
24	0.391B	0.370B	0.478B	23.2	6.28	0.691	0.507	0.009	0.028	0.312	0.209B	0.035B	24
25	0.378B	0.362B	0.463B	21.5	6.16	0.585	0.455	0.009	0.051	0.301	0.231B	0.044B	25
26	0.374B	0.368B	0.629B	20.2	5.89	0.536	0.417	0.010	0.078	0.288	0.260B	0.055B	26
27	0.342B	0.377B	0.618B	18.5	5.42	0.675	0.395	0.012	0.077	0.290	0.292B	0.059B	27
28	0.333B	0.363B	0.545B	17.0	4.82	0.671	0.364	0.024	0.085	0.284	0.305B	0.061B	28
29	0.375B		0.637B	15.2	4.26	0.931	0.356	0.057	0.097	0.278	0.304B	0.055B	29
30	0.394B		1.35 B	13.2	3.82	1.90	0.338	0.080	0.110	0.264	0.288B	0.052B	30
31	0.394B		15.0 B		3.64		0.308	0.092		0.258		0.055B	31
TOTAL	12.254	11.639	30.249	1 858.2	428.93	59.276	60.332	3.070	1.892	8.628	7.887	3.930	TOTAL
MEAN	0.395	0.416	0.976	61.9	13.8	1.98	1.95	0.099	0.063	0.278	0.263	0.127	MEAN
MAX	0.441	0.563	15.0	178	32.6	3.49	5.24	0.304	0.113	0.411	0.315	0.367	MAX
MIN	0.333	0.362	0.387	13.2	3.64	0.536	0.308	0.009	0.019	0.129	0.186	0.025	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.81
MAXIMUM DAILY, 178 ON APR 07
MINIMUM DAILY, 0.009 ON AUG 24
MAXIMUM INSTANTANEOUS,
209 AT 17:41 CST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 25 00 N
LONG 103 08 30 W
DRAINAGE AREA, 9 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 060	JUL	5 210
FEB	1 010	AUG	265
MAR	2 610	SEP	163
APR	161 000	OCT	745
MAY	37 100	NOV	681
JUN	5 120	DEC	340

TOTAL DISCHARGE, 215 000 dam³

CARROT RIVER NEAR TURNBERRY - STATION NO. 05KH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.09 B	0.858B	1.03B	5.49B	62.2	38.9	26.6	4.01	1.08	1.08	1.32B	1.04 B	1
2	1.05 B	0.860B	1.05B	9.04B	61.7	34.5	22.0	3.76	1.12	1.06	1.26	1.03 B	2
3	1.01 B	0.861B	1.06B	13.8 B	61.5	31.8	19.0	3.51	1.15	1.18	1.26	1.01 B	3
4	0.973B	0.863B	1.08B	18.5 B	63.4	29.7	21.9	3.18	1.13	1.10	1.26B	1.02 B	4
5	0.932B	0.865B	1.10B	23.2 B	67.4	28.6	24.6	2.84	1.03	1.09	1.25B	1.02 B	5
6	0.891B	0.867B	1.12B	24.1 B	71.1	26.6	23.4	2.48	0.999	1.12	1.24B	1.01 B	6
7	0.850B	0.868B	1.15B	24.7 B	76.4	24.6	21.7	2.17	0.997	1.12	1.23B	1.01 B	7
8	0.831B	0.870B	1.15B	25.0 B	76.9	22.9	21.0	1.95	0.962	1.14	1.22B	0.999B	8
9	0.831B	0.872B	1.17B	27.3 B	77.4	22.0	20.4	1.83	0.908	1.20	1.21B	0.993B	9
10	0.831B	0.873B	1.18B	29.6 B	79.8	20.9	20.1	1.65	0.857	1.32	1.20B	0.987B	10
11	0.831B	0.875B	1.20B	31.6 B	79.5	20.3	20.1	1.52	0.865	1.45	1.19B	0.981B	11
12	0.831B	0.877B	1.22B	41.8 B	79.1	19.9	19.1	1.39	0.834	1.40	1.18B	0.975B	12
13	0.831B	0.878B	1.24B	52.3 B	79.8	18.9	17.5	1.34	0.902	1.47	1.18B	0.969B	13
14	0.831B	0.880B	1.25B	63.3 B	78.5	18.3	15.5	1.30	0.859	1.44	1.17B	0.963B	14
15	0.831B	0.882B	1.27B	73.0 B	77.4	17.5	13.2	1.24	0.835	1.44	1.16B	0.957B	15
16	0.831B	0.884B	1.29B	69.9 B	77.3	16.5	11.6	1.23	0.799	1.48	1.16B	0.951B	16
17	0.833B	0.885B	1.31B	66.8 B	78.5	16.0	10.1	1.13	0.805	1.51	1.15B	0.944B	17
18	0.834B	0.887B	1.32B	60.5 B	76.7	16.1	8.53	1.08	0.821	1.52	1.14B	0.938B	18
19	0.836B	0.889B	1.34B	55.1 B	74.0	14.3	7.52	1.06	0.791	1.57	1.13B	0.932B	19
20	0.838B	0.890B	1.36B	54.1 B	72.7	12.6	6.55	1.02	0.882	1.64	1.12B	0.926B	20
21	0.839B	0.892B	1.37B	57.1 B	70.1	11.2	5.88	0.992	0.977	1.57	1.12B	0.920B	21
22	0.841B	0.909B	1.39B	60.1	67.6	10.1	5.54	0.953	0.982	1.53	1.11B	0.914B	22
23	0.843B	0.926B	1.41B	63.6	65.3	9.61	5.19	0.929	0.979	1.59	1.10B	0.908B	23
24	0.845B	0.944B	1.43B	65.6	62.4	9.28	4.94	0.896	0.985	1.52	1.09B	0.902B	24
25	0.846B	0.961B	1.44B	66.3	59.1	8.07	4.62	0.825	0.989	1.57	1.09B	0.896B	25
26	0.848B	0.978B	1.46B	66.2	55.6	7.29	4.41	0.802	1.03	1.50	1.08B	0.894B	26
27	0.850B	0.995B	1.49B	64.9	52.1	7.48	4.70	0.814	0.969	1.49	1.07B	0.883B	27
28	0.851B	1.01 B	1.57B	65.5	48.9	15.7	5.14	0.847	0.967	1.49	1.07B	0.877B	28
29	0.853B		1.68B	64.8	45.8	19.7	4.95	0.949	0.976	1.46B	1.05B	0.871B	29
30	0.855B		2.11B	63.0	42.8	26.6	4.67	0.982	1.03	1.42	1.05B	0.865B	30
31	0.856B		3.57B		41.6		4.34	1.06		1.37B		0.859B	31
TOTAL	26.943	25.099	42.79	1 407.23	2 082.6	576.13	404.78	49.739	28.510	42.84	34.86	29.464	TOTAL
MEAN	0.869	0.896	1.38	46.9	67.2	19.2	13.1	1.60	0.950	1.38	1.16	0.951	MEAN
MAX	1.09	1.01	3.57	73.0	79.8	38.9	26.6	4.01	1.15	1.64	1.32	1.04	MAX
MIN	0.831	0.858	1.03	5.49	41.6	7.29	4.34	0.802	0.791	1.06	1.05	0.859	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.0
MAXIMUM DAILY, 79.8 ON MAY 10
MINIMUM DAILY, 0.791 ON SEP 19
MAXIMUM INSTANTANEOUS,
80.4 AT 03:03 CST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 36 00 N
LONG 102 07 00 W
DRAINAGE AREA, 12 600 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 330	JUL	35 000
FEB	2 170	AUG	4 300
MAR	3 700	SEP	2 460
APR	122 000	OCT	3 700
MAY	180 000	NOV	3 010
JUN	49 800	DEC	2 550

TOTAL DISCHARGE, 411 000 dam³

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.0	11.4 A	9.05A	6.72	5.67	8.76	15.3	19.3	16.1	13.7	11.7	13.4	1
2	14.9	11.3 E	8.92E	6.74	5.60	8.79	15.3	19.1	16.1	13.6	11.7	13.3	2
3	14.7	11.2 E	8.84E	6.68	5.61	8.89	15.3	18.9	15.9	13.6	11.4	13.2	3
4	14.5	11.1 E	8.75E	6.56A	5.63	9.00	15.2	19.0	15.7	13.6	11.3	13.4	4
5	14.4	11.0 E	8.68A	6.49A	5.78	9.09	15.3	19.2	15.6	13.4	11.5	13.4	5
6	14.3	10.8 E	8.66	6.47	6.20	9.17	15.2	19.3	15.4	13.2	11.4	13.3	6
7	14.3	10.7 E	8.62	6.42	6.50	9.33	15.3	19.1	15.4	13.0	11.5	13.5	7
8	14.2	10.5 E	8.60	6.28	6.75	9.43	15.4	18.6	15.3	12.9	11.6	13.5	8
9	14.3	10.5 E	8.55A	6.22A	6.88	9.50	15.3	18.5	15.1	12.9	11.6	13.5	9
10	14.3	10.4 E	8.37E	6.17A	6.96	9.66	15.3	18.5	15.0	13.0	11.7	13.5	10
11	14.2	10.4 E	8.27E	6.14	7.03	9.80	15.3	18.5	14.9	12.9	11.6	13.4	11
12	14.0	10.3 E	8.17E	6.09	7.03	10.3	15.1	18.7	14.8	12.7	11.6	13.4	12
13	13.9	10.3 E	8.09A	5.99A	7.01	10.7	15.2	18.8	14.9	12.6	11.9	13.3	13
14	13.9	10.2 E	8.03	5.97	6.98	10.9	15.0	18.7	14.9	12.6	12.3	13.3	14
15	13.8	10.2 E	7.98	5.94	6.98	11.0	15.1	18.5	14.9	12.5	12.3	13.3	15
16	13.6	10.2 E	7.95	5.88A	6.96	11.2	15.7	18.3	14.9	12.4	12.3	13.1	16
17	13.5	10.1 E	7.79A	5.87	6.94	11.4	16.3	18.1	14.8	12.3	12.5	13.0	17
18	13.2	10.0 E	7.70A	5.89	6.96	11.6	17.2	18.0	14.7	12.2	12.6	12.9	18
19	13.0	9.95E	7.60	5.93	6.94	11.9	18.0	17.9	14.5	12.3	12.4	12.8	19
20	12.9	9.90E	7.49E	5.90	6.98	12.3	18.4	17.7	14.4	12.3	12.3	12.6	20
21	13.1	9.80E	7.41E	5.95	7.14	13.0	18.7	17.4	14.4	12.5	12.5	12.5	21
22	13.1	9.73E	7.33E	5.96	7.17	13.6	18.9	17.4	14.3	12.4	12.8	12.5	22
23	13.0	9.66E	7.23E	6.00	7.61	13.9	19.0	17.3	14.2	12.4	13.1	12.6	23
24	12.9	9.60E	7.13A	6.03	7.83	14.1	18.9	17.2	14.2	12.4	13.1	12.6	24
25	12.8	9.55E	7.05E	6.02	8.03	14.1	19.0	16.7	14.0	12.4	13.1	12.3	25
26	12.7	9.48E	6.98E	5.95	8.27	14.2	19.1	16.5	13.9	12.3	13.1	12.2	26
27	12.4	9.30E	6.89E	5.90	8.38	14.3	19.5	16.4	14.2	12.1	13.1	12.2	27
28	12.2	9.13A	6.85A	5.84	8.50	14.8	19.3	16.4	14.2	12.0	13.2	12.2	28
29	12.0		6.89	5.79	8.63	15.1	19.0	16.6	14.1	11.9	13.4	12.0	29
30	11.8		6.90	5.73	8.76	15.2	19.1	16.5	13.9	11.8	13.5	11.9	30
31	11.6		6.80		8.80		19.2	16.3		11.8		11.8	31
TOTAL	418.5	286.70	243.57	183.52	220.71	345.02	523.9	557.3	444.7	391.7	368.2	399.7	TOTAL
MEAN	13.5	10.2	7.86	6.12	7.12	11.5	16.9	18.0	14.8	12.6	12.3	12.9	MEAN
MAX	15.0	11.4	9.05	6.74	8.80	15.2	19.5	19.3	16.1	13.7	13.5	13.5	MAX
MIN	11.6	9.13	6.80	5.73	5.60	8.76	15.0	16.3	13.9	11.8	11.3	11.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.0
MAXIMUM DAILY, 19.5 ON JUL 27
MINIMUM DAILY, 5.60 ON MAY 02
MAXIMUM INSTANTANEOUS,
19.7 AT 19:10 CST ON JUL 27

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 19 10 N
LONG 105 18 10 W
DRAINAGE AREA, 6 580 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	36 200	JUL	45 300
FEB	24 800	AUG	48 200
MAR	21 000	SEP	38 400
APR	15 900	OCT	33 800
MAY	19 100	NOV	31 800
JUN	29 800	DEC	34 500

TOTAL DISCHARGE, 379 000 dam³

CHITEK LAKE AT CHITEK VILLAGE - STATION NO. 06AD012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	566.478	566.325	566.344	566.168	566.085	---	---	1
2	---	---	---	---	---	566.474	566.322	566.325	566.166	566.082	---	---	2
3	---	---	---	---	---	566.470	566.357	566.319	566.164	566.080	---	---	3
4	---	---	---	---	---	566.466	566.372	566.313	566.162	566.078	---	---	4
5	---	---	---	---	---	566.462	566.372	566.307	566.160	566.076	---	---	5
6	---	---	---	---	---	566.448	566.372	566.301	566.158	566.074	---	---	6
7	---	---	---	---	---	566.454	566.372	566.295	566.155	566.072	566.055	---	7
8	---	---	---	---	---	566.450	566.377	566.289	566.153	566.070	---	---	8
9	---	---	---	---	---	566.446	566.377	566.283	566.151	566.068	---	---	9
10	---	---	---	---	---	566.442	566.375	566.277	566.149	566.066	---	---	10
11	---	---	---	---	---	566.440	566.375	566.271	566.147	566.064	---	---	11
12	---	---	---	---	---	566.438	566.372	566.265	566.145	566.064	---	---	12
13	---	---	---	---	---	566.434	566.372	566.259	566.143	566.062	---	---	13
14	---	---	---	---	---	566.426	566.372	566.252	566.141	566.060	---	---	14
15	---	---	---	---	---	566.418	566.372	566.246	566.139	566.058	---	---	15
16	---	---	---	---	---	566.410	566.372	566.242	566.137	566.056	---	---	16
17	---	---	---	---	---	566.402	566.377	566.240	566.135	566.054	---	---	17
18	---	---	---	---	---	566.394	566.377	566.234	566.131	566.052	---	---	18
19	---	---	---	---	---	566.386	566.373	566.228	566.127	566.050	---	---	19
20	---	---	---	---	---	566.378	566.369	566.222	566.125	566.048	---	---	20
21	---	---	---	---	---	566.370	566.365	566.216	566.123	566.046	---	---	21
22	---	---	---	---	---	566.362	566.361	566.210	566.121	566.044	---	---	22
23	---	---	---	---	---	566.354	566.361	566.204	566.117	566.042	---	---	23
24	---	---	---	---	---	566.350	566.361	566.198	566.113	566.042	---	---	24
25	---	---	---	---	---	566.346	566.347	566.192	566.109	566.042	---	---	25
26	---	---	---	---	---	566.342	566.343	566.188	566.105	566.042	---	---	26
27	---	---	---	---	---	566.338	566.339	566.184	566.101	566.041	---	---	27
28	---	---	---	---	---	566.334	566.335	566.180	566.097	566.041	---	---	28
29	---		---	---	---	566.330	566.331	566.176	566.093	566.041	---	---	29
30	---		---	---	566.496	566.328	566.329	566.172	566.089	566.041	---	---	30
31	---		---		566.482		566.327	566.168		566.041		---	31
MEAN	---	---	---	---	---	566.406	566.360	566.245	566.134	566.057	---	---	MEAN
MAX	---	---	---	---	---	566.478	566.377	566.344	566.168	566.085	---	---	MAX
MIN	---	---	---	---	---	566.328	566.322	566.168	566.089	566.041	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 44 55 N
LONG 107 43 55 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
871 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHRISTOPHER LAKE NEAR CHRISTOPHER LAKE - STATION NO. 05GG009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	514.688	---	---	514.501	---	1
2	---	---	---	---	---	---	---	514.697	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	514.693	---	514.584	514.535	---	---	5
6	---	---	---	---	---	514.593	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	514.663	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	514.608	---	514.715	---	514.564	514.481	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	514.629	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	514.647	---	---	---	---	15
16	---	---	---	---	514.602	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	514.516	---	---	17
18	---	---	---	---	---	---	514.683	---	514.548	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	514.643	---	---	---	---	514.519	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	514.622	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	514.506	---	---	23
24	---	---	---	---	514.604	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	514.681	---	514.544	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	514.659	---	---	---	---	---	---	28
29	---		---	---	---	---	---	514.600	---	---	---	---	29
30	---		---	---	514.590	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 30 30 N
LONG 105 45 55 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
24.6 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHURCHILL LAKE AT BUFFALO NARROWS - STATION NO. 06BA001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	419.371	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	419.748	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	419.409	---	---	---	18
19	---	---	419.357	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	419.435	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	419.762	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 51 33 N
LONG 108 28 27 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
21 100 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS - STATION NO. 06EA010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.270	7.198	7.197	7.176	6.787	6.796	6.604	6.845	6.451	6.341E	6.189	6.502	1
2	7.289	7.180	7.200	7.136	6.786	6.787	6.614	6.800	6.435	6.528E	6.160	6.512	2
3	7.288	7.166	7.207	7.110	6.837	6.770	6.665	6.811	6.411	6.482E	6.063	6.520	3
4	7.292	7.116	7.209	7.088	6.814	6.766	6.699	6.832	6.384	6.403E	6.021	6.516	4
5	7.297	7.020	7.215	7.097	6.814	6.814	6.685	6.856	6.386	6.491E	6.007	6.515	5
6	7.304	6.999	7.225	7.115	6.933	6.932	6.671	6.847	6.380	6.310A	6.006	6.513	6
7	7.307	7.009	7.227	7.114	7.056	6.897	6.674	6.833	6.345	6.223	6.040	6.580	7
8	7.298	6.826	7.225	7.127	7.014	6.823	6.675	6.827	6.448	6.200	6.059	6.667	8
9	7.281	6.896	7.238	7.133	6.975	6.837	6.730	6.839	6.488	6.173	6.101	6.815	9
10	7.236	6.935	7.256	7.003	6.993	6.821	6.746	6.845	6.749E	6.121	6.095	6.900	10
11	7.245	6.924	7.260	6.966	7.048	6.771	6.741	6.848	6.939E	6.122	6.052	6.882	11
12	7.256	6.927	7.273	7.059	7.230	6.797	6.844	6.801	7.021E	6.189	6.028	6.892	12
13	7.258	7.014	7.338	7.180	7.305	6.911	6.891	6.713	6.943E	6.143	6.016	6.899	13
14	7.259	7.058	7.368	7.218	7.177	6.841	6.889	6.701	6.765E	6.114	6.061	6.902	14
15	7.257	7.083	7.382	7.232	7.175	6.685	6.857	6.697	6.648E	6.080	6.222	6.873	15
16	7.249	7.078	7.389	7.238	7.183	6.665	6.828	6.715	6.495E	6.041	6.341	6.872	16
17	7.233	7.002	7.392	7.187	7.171	6.700	6.717	6.710	6.482E	6.031	6.390	6.872	17
18	7.316	6.966	7.391	7.098	7.241	6.702	6.668	6.700	6.593E	6.014	6.412	6.869	18
19	7.365	6.969	7.385	7.001	7.326	6.661	6.709	6.715	6.600E	6.008	6.426	6.866	19
20	7.387	7.024	7.328	6.931	7.355	6.625	6.868	6.716	6.548E	6.014	6.412	6.850	20
21	7.400	7.018	7.297	6.863	7.344	6.636	6.917	6.706	6.461E	6.018	6.339	6.842	21
22	7.403	6.769	7.283	6.691	7.239	6.611	6.914	6.703	6.380E	6.098	6.346	6.834	22
23	7.404	6.875	7.318	6.686	7.034	6.554	6.925	6.695	6.356E	6.130	6.446	6.835	23
24	7.406	7.026	7.328	6.797	7.019	6.516	6.812	6.688	6.351E	6.138	6.489	6.843	24
25	7.344	7.073	7.331	7.016	7.023	6.569	6.780	6.694	6.330E	6.157	6.463	6.853	25
26	7.286	7.091	7.286	6.930	7.176	6.511	6.772	6.602	6.325E	6.168	6.433	6.856	26
27	7.318	7.109	7.266	6.858	7.214	6.440	6.843	6.571	6.330E	6.168	6.465	6.867	27
28	7.338	7.172	7.254	6.825	7.099	6.366	6.842	6.468	6.330E	6.089	6.467	6.936	28
29	7.336		7.252	6.828	7.051	6.382	6.799	6.388	6.314E	5.912	6.481	6.992	29
30	7.320		7.269	6.808	7.013	6.549	6.828	6.342	6.292E	6.179	6.497	7.010	30
31	7.247		7.257		6.847		6.992	6.405		6.199		7.005	31
MEAN	7.306	7.019	7.285	7.017	7.074	6.692	6.781	6.707	6.499	6.170	6.251	6.796	MEAN
MAX	7.406	7.198	7.392	7.238	7.355	6.932	6.992	6.856	7.021	6.528	6.497	7.010	MAX
MIN	7.233	6.769	7.197	6.686	6.786	6.366	6.604	6.342	6.292	5.912	6.006	6.502	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 6.800
MAXIMUM DAILY, 7.406 ON JAN 24
MINIMUM DAILY, 5.912 ON OCT 29
MAXIMUM INSTANTANEOUS,
7.407 AT 15:44 CST ON JAN 24

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 16 N
LONG 102 13 03 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1928

DRAINAGE AREA,
212 000 km²

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 06CD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	185A	179	175	160	188	303	306	259	211E	172	155	150	1
2	184	178	175	159	189	302	304	258	210A	171	155	149	2
3	184A	177	175	160	191	303	301	254	211A	173	154	148	3
4	182A	179	174	159	193	305	302	250	210A	172	154	147	4
5	182A	178	173	159	196	307	302	249	208E	171	155	147	5
6	184	180	173	159	200	308	300	247	206A	171	154	147	6
7	184A	181	173	159	206	308	299	245	205A	170	154	146	7
8	185A	180	174	159	211	309	297	242	203A	169	154	146	8
9	185	177	174	158	217	308	294	238	200A	168	154	145	9
10	185	175	173	158	222	307	292	237	198A	169	154	144	10
11	185	175	171	158	228	311	291	235	196E	169	153	143	11
12	184	175	170	159	233	316	290	234	195E	166	152	143	12
13	183	173	169	159	238	322	287	235	193E	165	152	143	13
14	183	173	168	159	243	322	285	233	192A	165	152	142	14
15	183	174	167	159	248	322	282	231	190A	164	152	142	15
16	183	174	166	159	252	321	279	230	188A	163	151	142	16
17	183	173	165	159	257	319	277	228	187A	162	151	141	17
18	181	173	164	160	262	318	277	226	186A	161	150	140	18
19	182	173	164	161	269	316	277	224	184A	160	150	139	19
20	181	175	163	160	273	314	276	222	183	160	150	140	20
21	182	174	163	162	278	314	274	221	183	160	151	140	21
22	183	174	162	164	283	314	273	219	182	159	152	138	22
23	183	174	162	167	286	314	272	218	181	159	152	139	23
24	183	173	161	170	289	313	270	216	181	159	152	139	24
25	183	174	161	172	291	311	267	213	180	158	152	138	25
26	183	174	160	178	293	308	265	211	178	158	152	138	26
27	181	175	160	179	294	306	266	210	176	158	151	141	27
28	180	175	160	181	294	306	268	209	175	157	152	140	28
29	180		160	184	296	305	265	208A	173	157	151	142	29
30	179		160	185	297	304	264	210E	173	156	150	142	30
31	178		160		299		262	212A		155		141	31
TOTAL	5 663	4 915	5 175	4 925	7 716	9 336	8 764	7 124	5 738	5 077	4 571	4 422	TOTAL
MEAN	183	176	167	164	249	311	283	230	191	164	152	143	MEAN
MAX	185	181	175	185	299	322	306	259	211	173	155	150	MAX
MIN	178	173	160	158	188	302	262	208	173	155	150	138	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 201
MAXIMUM DAILY, 322 ON JUN 13
MINIMUM DAILY, 138 ON DEC 22
MAXIMUM INSTANTANEOUS,
323 AT 04:49 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 38 47 N
LONG 104 44 05 W
DRAINAGE AREA, 119 000 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	489 000	JUL	757 000
FEB	425 000	AUG	616 000
MAR	447 000	SEP	496 000
APR	426 000	OCT	439 000
MAY	667 000	NOV	395 000
JUN	807 000	DEC	382 000

TOTAL DISCHARGE, 6 350 000 dam³

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO. 06EA011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	747	706A	757E	736E	600E	583	580	624	590	495	462	576
2	744	699E	755E	733E	602E	592	585	623	577	496	463	552
3	750	700E	755E	733E	607E	600	585	621	567	506	463	557
4	746	700E	758E	729E	611E	604	589A	620	567	510	461	585
5	750	697E	758E	726E	614E	604	596E	615	561	511	459	629
6	764	700E	758E	723E	622E	606	608E	612	557	509	460	648
7	766	699E	762E	723E	627E	607	610E	609	554	505	458	657
8	772	698E	778E	721E	629E	604	611E	606	548	500	459	670
9	777	699E	782E	718E	632E	600	615E	604	546	495	466	671
10	777	703E	780E	716E	636E	594	620E	601	544	491	474	648
11	771	750E	782E	714E	641E	582	627E	597	539	495	487	649
12	759	767E	780E	700E	636E	573	637A	595	538	499	504	653
13	759	767E	779E	638E	611E	568	635	594	536	498	523	649
14	764	766E	778E	602E	609E	565	634	596	535	498	544	643
15	768	766E	775E	590E	609E	557	632	594	535	499	557	643
16	769	767E	771E	583E	614E	550	630	589	533	498	556	649
17	764	767E	766E	581E	604E	545	627	586	529	496	558	643
18	760	764E	761E	580E	566E	544	627	583	527	491	558	635
19	763	763E	761E	578E	556E	541	626	577	528	484	559	639
20	765	766E	759E	576E	557E	540	624	574	525	484	559	649
21	774	766E	758E	579E	558E	539	624	573	523	484	561	651
22	771	764E	754E	578E	560E	537	624	571	522	483	565	650
23	765	763E	750E	580E	565E	533	624	568	520	481	560	648
24	757	757E	750E	583E	573E	530	623	569	520	481	549	650
25	748	758E	748E	582E	564E	537	624	568	518	479	540	662
26	741	757E	744E	582E	570E	548	621	567	516	477	538	672
27	733	757E	742E	586E	578E	552	622	564	513	479	544	699
28	736	758E	744E	588E	578E	559	626	561	510	476	551	715
29	731		744E	592E	587E	567	632	559	505	471	564	727
30	723		745E	594E	591E	576	630	557	496	468	585	747
31	712		741E		579A		626	583		465		764
TOTAL	23 426	20 724	23 577	19 244	18 489	17 037	19 174	18 260	16 083	15 204	15 587	20 230
MEAN	756	740	761	641	596	568	619	589	536	490	520	653
MAX	777	767	782	736	641	607	637	624	590	511	585	764
MIN	712	697	741	576	557	530	580	557	496	465	458	552

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 622
MAXIMUM DAILY, 782E ON MAR 09
MINIMUM DAILY, 458 ON NOV 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 34 30 N
LONG 102 49 48 W
DRAINAGE AREA, 210 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1929

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 020 000	JUL	1 660 000
FEB	1 790 000	AUG	1 580 000
MAR	2 040 000	SEP	1 390 000
APR	1 660 000	OCT	1 310 000
MAY	1 600 000	NOV	1 350 000
JUN	1 470 000	DEC	1 750 000

TOTAL DISCHARGE, 19 600 000 dam

CHURCHILL RIVER AT SANDY BAY - STATION NO. 06EA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	717	706	718	704	608	592	568	601	519	499	489	550
2	718	704	719	695	612	594	572	599	512	543	474	553
3	716	699	720	690	621	592	584	605	506	534	456	553
4	717	687	720	683	615	591	588	609	495	518	448	551
5	717	661	723	689	615	615	584	616	505	540	445	551
6	719	670	724	692	655	637	580	610	493	500	447	551
7	718	664	725	691	670	624	579	606	496	485	456	574
8	716	617	725	696	652	608	580	605	529	483	461	587
9	710	653	728	691	643	616	594	608	540	476	470	628
10	700	655	733	658	648	608	595	608	595	466	466	638
11	706	651	733	654	665	598	596	608	645	470	457	632
12	707	656	739	690	712	613	624	588	662	485	454	633
13	709	676	757	713	717	634	631	575	646	472	452	634
14	708	682	760	718	680	608	625	575	600	467	465	633
15	706	688	760	720	685	574	617	576	566	458	505	624
16	705	682	760	720	686	579	606	583	526	452	526	625
17	703	662	760	700	682	585	582	576	523	450	532	624
18	726	657	760	678	706	583	575	579	551	447	534	622
19	736	663	754	654	720	574	596	579	553	449	536	621
20	740	676	738	640	726	568	629	576	539	450	529	619
21	742	665	734	618	716	573	637	575	518	453	511	619
22	742	604	733	581	681	569	634	573	500	471	516	617
23	742	659	742	589	636	550	634	567	495	475	543	617
24	742	683	745	623	641	548	601	572	494	476	548	619
25	728	690	743	670	648	556	600	563	490	481	539	621
26	734	692	731	637	688	543	601	543	489	482	535	620
27	742	700	727	621	688	528	618	542	491	480	543	624
28	743	714	726	617	658	510	612	513	492	455	543	644
29	743		727	618	654	528	604	501	490	427	547	653
30	739		732	613	637	560	619	496	488	494	548	656
31	716		723		598		648	513		489		654
TOTAL	22 407	18 816	22 819	19 963	20 563	17 458	18 713	17 840	15 948	14 827	14 975	18 947
MEAN	723	672	736	665	663	582	604	575	532	478	499	611
MAX	743	714	760	720	726	637	648	616	662	543	548	656
MIN	700	604	718	581	598	510	568	496	488	427	445	550

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 612
MAXIMUM DAILY, 760 ON MAR 14
MINIMUM DAILY, 427 ON OCT 29
MAXIMUM INSTANTANEOUS,
760 AT 09:24 CST ON MAR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 31 24 N
LONG 102 19 06 W
DRAINAGE AREA, 212 000 km²

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 940 000	JUL	1 620 000
FEB	1 630 000	AUG	1 540 000
MAR	1 970 000	SEP	1 380 000
APR	1 720 000	OCT	1 280 000
MAY	1 780 000	NOV	1 290 000
JUN	1 510 000	DEC	1 640 000

TOTAL DISCHARGE, 19 300 000 dam

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	91.8	87.0	86.9	79.2	103	139	143	120	93.9	76.0	71.7	72.2	1
2	92.0	86.7	85.8	79.4	104	141	138	121	93.5	73.3	75.8	68.4A	2
3	93.0	87.9	84.2	80.7	106	142	129	118	95.6	84.5	77.0	67.4	3
4	92.5	90.0	83.4	80.4	107	141	137	115	95.1	85.4	77.2	68.0	4
5	91.0	87.6	84.1	79.4	108	146	137	113	93.6	80.7	78.3	70.1A	5
6	92.4	89.5	83.8	80.5	107	144	135	111	90.0	81.1	72.4A	69.0A	6
7	93.1	88.9	84.6	80.8	113	143	138	116	90.1	78.7	71.0	68.7	7
8	90.4	89.3	83.2	80.6	116	145	137	118	91.9	76.5	72.8	69.6	8
9	90.4	91.2	87.7	81.3	117	141	134	109	89.7	80.2A	72.7	70.2A	9
10	91.6	90.5	85.7	81.1	120	143	136	107	86.6	82.3A	70.8	68.8E	10
11	92.0	89.4	84.0	81.1	121	142	136	107	86.9	89.7	71.0	67.3A	11
12	89.8	91.1	84.5	82.0	123	141	134	107	79.6	73.5	69.0	69.2A	12
13	89.9	90.1	83.2	81.3	124	144	135	110	87.4	75.0	68.4	68.5A	13
14	90.5	89.7	82.3	82.1	125	148	141	107	85.9	81.8	70.2	67.2	14
15	90.1	88.6	82.5	83.4	127	149	140	105	83.8	77.9	70.6	67.3	15
16	90.4	88.2	83.3	83.0	128	146	132	102	80.4	76.9	70.0	69.8E	16
17	90.0	87.8	83.1	82.5	129	147	133	102	84.9	72.2	69.7	69.4E	17
18	88.6	87.7	82.2	83.5	131	148	131	99.5	87.3	67.8	69.4A	69.2E	18
19	89.7	87.6	81.8	84.3	134	148	131	101	81.4	71.3	70.9A	69.0E	19
20	88.1	86.9	81.7	84.0	131	147	128	101	85.8	78.3A	71.6	68.9E	20
21	90.2	88.0	82.7	85.4	134	146	127	100	84.6	73.6A	72.3	68.8E	21
22	88.8	87.0	83.2	86.5	135	144	127	98.5	83.2	73.9	73.1A	68.5E	22
23	90.8	87.5	82.3	88.1	136	142	125	104	81.5	78.6A	72.5E	68.3E	23
24	91.3	87.4	82.7	88.4	137	146	124	104	84.4	69.9A	72.2E	68.2E	24
25	90.1	86.4	81.5	92.3	138	144	121	97.9	87.2	74.2A	71.9E	68.0E	25
26	93.6	88.1	79.7	96.5	140	142	120	96.4	87.1A	76.0	71.5A	67.8E	26
27	89.1	85.8	80.0	97.5	141	142	122	97.3	80.4	76.9	71.3A	67.6E	27
28	86.3	86.6	80.5	99.7	137	144	126	96.6	78.8	69.8	71.8E	67.4E	28
29	85.2		80.2	101	139	143	122	96.5	74.7	76.8A	72.0A	67.1E	29
30	88.9		80.6	103	141	142	121	92.3	78.7	68.7	72.2	66.9E	30
31	88.4		80.6		142		118	93.2		70.0		66.7E	31
TOTAL	2 806.0	2 472.5	2 571.0	2 569.0	3 894	4 320	4 060	3 263.2	2 584.0	2 371.6	2 161.3	2 123.5	TOTAL
MEAN	90.5	88.3	82.9	85.6	126	144	131	105	86.1	76.5	72.0	68.5	MEAN
MAX	93.6	91.2	87.7	103	142	149	143	121	95.6	89.7	78.3	72.2	MAX
MIN	88.1	85.8	79.7	79.2	103	139	118	92.3	74.7	67.8	68.4	66.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 96.4
MAXIMUM DAILY, 149 ON JUN 15
MINIMUM DAILY, 66.7E ON DEC 31
MAXIMUM INSTANTANEOUS,
159 AT 15:00 CST ON JUN 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 30 N
LONG 107 43 40 W
DRAINAGE AREA, 78 700 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	242 000	JUL	351 000
FEB	214 000	AUG	282 000
MAR	222 000	SEP	223 000
APR	222 000	OCT	205 000
MAY	336 000	NOV	187 000
JUN	373 000	DEC	183 000

TOTAL DISCHARGE, 3 040 000 dam³

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.5	22.1	21.0	19.9	34.6	36.4	31.7	23.6	15.8	15.6	16.2	16.9	1
2	23.4	21.9	20.8	20.1	35.6	36.4	26.0A	24.2A	16.2	15.3	16.0	16.7	2
3	23.2	21.9	20.6	20.3	36.3	36.0	29.5A	21.6A	16.5	17.3	15.8	16.6	3
4	23.2	22.1	20.4	20.1	37.1	36.0	30.5	21.2	16.4	16.9A	15.6	16.7	4
5	23.0	22.0	20.4	20.1	37.7	36.8	29.5	21.0	16.3	17.1A	15.9	16.7	5
6	23.2	22.0	20.4	20.3	37.2	36.4	29.6	20.7	15.4	16.9	15.5	16.5	6
7	23.1	21.9	20.4	20.3	38.0	35.6	30.2	22.3	17.1	16.4A	15.6	16.6	7
8	23.1	22.0	20.4	20.2	38.7	36.2	29.5	21.1	15.8	16.0A	15.9	16.8	8
9	23.1	21.8	20.7	20.1	38.9	34.6	28.6A	19.6	15.4	17.1A	15.9	16.6	9
10	23.3	21.5	20.3	20.0	39.5	34.7	28.9	19.2	15.4	18.3A	15.8	16.6	10
11	23.4	21.6	20.5	20.2	39.4	33.0	29.0	19.1	15.1	17.7A	15.7	16.6	11
12	22.8	21.5	20.4	20.4	39.4	33.9	27.9	19.4	14.7	15.5A	15.8	16.5	12
13	22.7	21.5	20.3	20.6	39.5	35.6	30.2	19.9	16.0	16.4	16.3	16.4	13
14	22.7	21.5	20.2	20.6	39.5	35.1	31.0	18.8	16.0	18.7	16.5	16.4	14
15	22.7	21.2	20.2	20.9	39.5	34.7	29.3	18.4	15.4	17.3	16.5	16.6	15
16	22.7	21.0	20.4	21.0	39.4	34.2	27.9	18.0	15.2	16.8	16.4	16.5	16
17	22.5	20.8	20.4	21.0	39.4	34.6	28.0	17.5	17.7	16.4	16.5	16.6	17
18	22.3	21.0	20.4	21.2	40.0	35.1	27.5	17.1	17.1	16.4	16.6	16.7	18
19	22.4	20.9	20.3	21.5	39.7	35.7	26.4	17.5	15.6	16.6	16.7	16.4	19
20	22.4	21.1	20.3	21.7	39.9	35.1	26.1	17.5A	16.2	17.2	16.7	16.3	20
21	22.8	21.4	20.4	22.2	40.0	34.6	25.9	17.1	15.8	16.8	17.1	16.1	21
22	22.5	21.1	20.3	22.7	40.1	33.8	25.7	17.0	15.5	17.3	17.6	16.5	22
23	23.0	21.1	20.2	23.5	38.8	33.4	25.6	18.0	15.9	17.8	17.3	16.6	23
24	22.6	21.1	20.2	24.3	38.8	34.4	25.5	17.8	16.4	17.0	17.2	16.6	24
25	22.7	21.2	20.3	25.6	39.0	33.3	24.5	16.6A	16.9	17.4	17.1	16.3	25
26	23.1	21.3	20.2	27.6	39.4	32.5	24.1	16.4	17.8A	17.8	16.8	16.2	26
27	22.8	20.9	20.1	29.5	38.4	31.9	25.0	16.4	16.3	17.4	17.0	16.6	27
28	22.6	20.9	20.0	30.7	37.9	32.3	26.1	16.5	15.1A	17.3A	16.8	16.3	28
29	22.4		20.1	32.1	37.7	31.7	23.5	16.3	15.3	17.4A	16.9	15.9	29
30	22.2		20.3	33.6	37.4	31.1	23.8	16.4	16.3A	16.5	17.2	16.0	30
31	22.2		20.3		37.2		22.6	16.1		16.3		16.0	31
TOTAL	707.4	599.7	631.2	682.3	1 194.0	1 035.4	855.6	582.3	480.6	524.9	492.9	510.8	TOTAL
MEAN	22.8	21.4	20.4	22.7	38.5	34.5	27.6	18.8	16.0	16.9	16.4	16.5	MEAN
MAX	23.5	22.1	21.0	33.6	40.1	36.8	32.0	24.2	17.8	18.7	17.6	16.9	MAX
MIN	22.2	20.8	20.0	19.9	34.6	31.1	22.6	16.1	14.7	15.3	15.5	15.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.7
MAXIMUM DAILY, 40.1 ON MAY 22
MINIMUM DAILY, 14.7 ON SEP 12
MAXIMUM INSTANTANEOUS,
42.2 AT 18:18 CST ON APR 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 19 50 N
LONG 108 45 50 W
DRAINAGE AREA, 4 250 km²
A - MANUAL GAUGE

NATURAL FLOW

REMARKS - THE PEAK DISCHARGE WAS PARTLY DUE TO WIND ON LLOYD LAKE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	61 100	JUL	73 900
FEB	51 800	AUG	50 300
MAR	54 500	SEP	41 500
APR	59 000	OCT	45 400
MAY	103 000	NOV	42 600
JUN	89 500	DEC	44 100

TOTAL DISCHARGE, 717 000 dam³

CODETTE RESERVOIR ABOVE THE SPILLWAY - STATION NO. 05KD006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	347.852	347.252	347.364	347.585	347.761	346.208	347.724	347.432	347.347	347.812	347.467	347.323	
2	347.818	347.173	347.092	347.669	347.597	346.095	347.758	347.336	347.193	347.784	347.426	347.525	
3	347.705	347.464	347.333	347.640	347.331	346.133	347.875	347.195	347.458	347.669	347.463	347.718	
4	347.451	347.791	347.778	347.535	347.382	346.536	347.816	347.186	347.846	347.365	347.593	347.615	
5	347.308	347.907	347.855	347.263	347.353	346.886	347.527	347.440	347.787	347.118	347.844	347.469	
6	347.580	347.862	347.805	346.802	347.738	346.963	347.202	347.494	347.545	347.325	347.586	347.382	
7	347.833	347.626	347.622	346.357	347.861	347.402	347.049	347.804	347.435	347.640	347.329	347.315	
8	347.903	347.634	347.365	346.318	347.711	347.139	346.124	347.634	347.448	347.860	347.234	347.387	
9	347.872	347.460	347.165	347.244A	347.452	347.904	346.130	347.521	347.722	347.835	347.223	347.595	
10	347.841	347.412	347.327	347.170E	347.149	347.787	346.844	347.495	347.769	347.613	347.053	347.741	1
11	347.656	347.688	347.857	347.102A	347.118	347.849	347.166	347.436	347.614	347.570	347.283	347.573	1
12	347.455	347.853	347.859	347.185	347.392	347.803	346.445	347.497	347.435	347.284	347.619	347.570	1
13	347.476	347.768	347.628	347.243	347.764	347.554	346.658	347.581	347.253	347.458	347.718	347.575	1
14	347.727	347.726	347.620	347.289	347.919	347.329	347.172	347.793	347.366	347.705	347.750	347.340	1
15	347.770	347.676	347.597	347.562	347.848	347.244	347.621	347.762	347.534	347.822	347.878	347.490	1
16	347.641	347.490	347.447	347.613	347.795	347.156	347.587	347.596	347.584	347.673	347.784	347.811	1
17	347.637	347.526	347.599	347.837	347.535	347.258	347.681	347.441	347.768	347.783	347.703	347.836	1
18	347.473	347.705	347.724	347.715	347.386	347.309	347.396	347.264	347.644	347.610	347.809	347.685	1
19	347.286	347.928	347.681	347.520	347.488	347.481	347.185	347.575	347.512	347.433	347.829	347.599	1
20	347.325	347.882	347.770	347.373	347.197	347.642	347.314	347.738	347.507	347.254	347.842	347.626	2
21	347.692	347.816	347.647	347.384	347.395	347.446	347.052	347.507	347.475	347.464	347.666	347.302	2
22	347.814	347.874	347.558	347.643	347.886	347.240	347.429	347.476	347.534	347.832	347.340	347.139	2
23	347.505	347.908	347.370	347.806	347.819	347.176	347.755	347.525	347.704	347.755	347.152	347.396	2
24	347.452	347.823	347.471	347.727	347.705	347.412	347.898	347.281	347.808	347.799	347.327	347.515	2
25	347.288	347.877	347.620	347.733	347.486	347.614	347.731	347.035	347.793	347.749	347.610	347.469	2
26	347.196	347.837	347.602	347.651	347.496	347.646	347.652	347.494	347.715	347.606	347.702	347.850	2
27	347.363	347.537	347.481	347.433	347.633	347.608	347.703	347.791	347.559	347.409	347.576	347.819	2
28	347.797	347.448	347.359	347.307	347.810	347.536	347.925	347.515	347.513	347.490	347.470	347.609	2
29	347.802		347.414	347.568	347.099	347.419	347.873	347.275	347.535	347.893	347.668	347.633	2
30	347.683		347.388	347.818	346.740	347.524	347.854	347.427	347.687	347.688	347.674	347.783	3
31	347.526		347.449		346.395		347.648	347.492		347.556		347.837	3
MEAN	347.604	347.677	347.543	347.403	347.492	347.297	347.381	347.485	347.570	347.608	347.554	347.569	MEA
MAX	347.903	347.928	347.859	347.837	347.919	347.904	347.925	347.804	347.846	347.893	347.878	347.850	MAX
MIN	347.196	347.173	347.092	346.318	346.395	346.095	346.124	347.035	347.193	347.118	347.053	347.139	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 347.515
MAXIMUM DAILY, 347.928 ON FEB 19
MINIMUM DAILY, 346.095 ON JUN 02
MAXIMUM INSTANTANEOUS,
348.062 AT 06:52 CST ON JAN 01

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 11 N
LONG 104 02 31 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
287 000 km²

CONJURING CREEK NEAR PREECEVILLE - STATION NO. 05MC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.007B	0.020B	0.191	0.007	0.009	0.005	0.004	0.003	---	---	1
2	---	---	0.007B	0.032B	0.160	0.005	0.008	0.005	0.003	0.003	---	---	2
3	---	---	0.007B	0.742B	0.120	0.004	0.011	0.005	0.003	0.003	---	---	3
4	---	---	0.007B	1.85 B	0.082	0.007	0.009	0.004	0.004	0.003	---	---	4
5	---	---	0.007B	1.55 B	0.053	0.006	0.002	0.006	0.004	0.005	---	---	5
6	---	---	0.007B	3.49 B	0.033	0.011	0.010	0.008	0.004	0.001	---	---	6
7	---	---	0.007B	4.44 B	0.068	0.007	0.004	0.007	0.004	0.002	---	---	7
8	---	---	0.007B	2.81 B	0.069	0.026	0.008	0.007	0.005	0.003	---	---	8
9	---	---	0.007B	2.69 B	0.061	0.026	0.007	0.010	0.005	0.003	---	---	9
10	---	---	0.007B	2.09 B	0.061	0.027	0.006	0.010	0.004	0.003	---	---	10
11	---	---	0.007B	1.54 B	0.053	0.011	0.004	0.009	0.002	0.003	---	---	11
12	---	---	0.007B	1.29 B	0.040	0.011	0.007	0.007	0.003	0.003	---	---	12
13	---	---	0.007B	1.06 B	0.031	0.018	0.007	0.009	0.003	0.003	---	---	13
14	---	---	0.007B	0.965B	0.040	0.018	0.008	0.008	0.003	0.003	---	---	14
15	---	---	0.007B	0.914	0.028	0.008	0.009	0.092	0.003	0.003	---	---	15
16	---	---	0.007B	0.948	0.022	0.025	0.010	0.009	0.003	0.003	---	---	16
17	---	---	0.007B	0.815	0.014	0.028	0.014	0.010	0.003	0.003	---	---	17
18	---	---	0.007B	0.788	0.008	0.029	0.015	0.007	0.004	0.030	---	---	18
19	---	---	0.007B	1.29	0.006	0.039	0.009	0.006	0.004	0.006	---	---	19
20	---	---	0.007B	1.68	0.011	0.030	0.006	0.006	0.004	0.005	---	---	20
21	---	---	0.007B	1.65	0.014	0.029	0.003	0.006	0.004	0.006	---	---	21
22	---	---	0.007B	1.45	0.111	0.024	0.003	0.007	0.004	0.008	---	---	22
23	---	---	0.007B	1.15	0.064	0.028	0.003	0.009	0.004	0.006	---	---	23
24	---	---	0.007B	0.895	0.037	0.024	0.001	0.009	0.005	0.003	---	---	24
25	---	---	0.007B	0.600	0.032	0.014	0.002	0.007	0.004	0.003	---	---	25
26	---	---	0.007B	0.411	0.063	0.007	0.006	0.005	0.003	0.003	---	---	26
27	---	---	0.007B	0.453	0.036	0.002	0.006	0.004	0.002	0.003	---	---	27
28	---	---	0.007B	0.295	0.023	0.001	0.010	0.004	0.002	0.003	---	---	28
29	---	---	0.008B	0.229	0.013	0.005	0.011	0.005	0.003	0.003	---	---	29
30	---		0.010B	0.219	0.009	0.007	0.007	0.002	0.003	0.003	---	---	30
31	---		0.015B		0.007		0.005	0.004		0.003A		---	31
TOTAL	---	---	0.229	38.356	1.560	0.484	0.220	0.292	0.106	0.135	---	---	TOT
MEAN	---	---	0.007	1.28	0.050	0.016	0.007	0.009	0.004	0.004	---	---	MEA
MAX	---	---	0.015	4.44	0.191	0.039	0.015	0.092	0.005	0.030	---	---	MAX
MIN	---	---	0.007	0.020	0.006	0.001	0.001	0.002	0.002	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.169
MAXIMUM DAILY, 4.44B ON APR 07
MINIMUM DAILY, 0.001 ON JUN 28
MAXIMUM INSTANTANEOUS,
6.45B AT 20:51 CST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 56 30 N
LONG 102 43 00 W

DRAINAGE AREA, 255 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	19.0
FEB	---	AUG	25.2
MAR	19.8	SEP	9.16
APR	3 310	OCT	11.7
MAY	135	NOV	---
JUN	41.8	DEC	---

TOTAL DISCHARGE, 3 570 dam³

COOKSON RESERVOIR NEAR CORONACH - STATION NO. 11AE013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	750.305	750.261E	750.240	750.281	750.207	750.075A	750.041	750.403	750.195	749.987	749.893A	749.880E	1
2	750.306	750.259E	750.238	750.285	750.207	750.071E	750.074	750.403	750.190	749.971	749.891	749.879E	2
3	750.302	750.258A	750.239	750.292	750.205	750.065A	750.209	750.396	750.181	749.953	749.888	749.878E	3
4	750.297	750.259	750.236	750.293	750.203	750.060	750.277	750.390	750.178	749.941	749.886	749.878A	4
5	750.293	750.256	750.233	750.292	750.198	750.053	750.294	750.389	750.172	749.934A	749.885	749.879	5
6	750.294	750.261	750.229	750.293	750.196	750.053	750.312	750.386	750.167	749.929E	749.880	749.878	6
7	750.291	750.265	750.228	750.295	750.185	750.052	750.316	750.379	750.158	749.931E	749.879	749.881	7
8	750.291	750.260	750.226	750.292	750.177	750.047	750.325	750.372	750.153	749.920A	749.883	749.883	8
9	750.290	750.259	750.231	750.286	750.171	750.047	750.326	750.363	750.144	749.914	749.886	749.884	9
10	750.283	750.261	750.235	750.275	750.169	750.045	750.326	750.353	750.136	749.912	749.888A	749.882	10
11	750.277A	750.261	750.239	750.275	750.162	750.040	750.324	750.344	750.133	749.904	749.886E	749.884	11
12	750.281E	750.251A	750.241	750.277	750.152	750.030	750.314	750.334	750.124	749.901A	749.889A	749.882	12
13	750.285A	750.243A	750.262	750.275	750.147	750.025	750.307	750.327	750.106	749.906A	749.891	749.883	13
14	750.288	750.242	750.265	750.273	750.136	750.024	750.302	750.316	750.098	749.904E	749.893E	749.890	14
15	750.288	750.248	750.261	750.269	750.140	750.022	750.293	750.310	750.098	749.903A	749.893A	749.891	15
16	750.285	750.242	750.260	750.265	750.142	750.019	750.288	750.300	750.081	749.899	749.889A	749.890	16
17	750.281	750.239	750.261	750.261	750.140	750.023	750.279	750.288	750.076	749.899A	749.890A	749.885	17
18	750.280A	750.239	750.262	750.260	750.131A	750.022	750.267	750.282	750.072	749.898	749.892A	749.887	18
19	750.284A	750.243	750.263	750.264	750.129E	750.020	750.262	750.275	750.065	749.900A	749.896A	749.890A	19
20	750.283	750.241E	750.263	750.261	750.127E	750.015	750.263	750.273	750.055	749.893	749.898A	749.886A	20
21	750.283	750.240E	750.261	750.258	750.125A	750.016	750.259	750.268	750.047	749.891	749.898A	749.892A	21
22	750.282	750.241A	750.252	750.254	750.123	750.013	750.259	750.271	750.041	749.896	749.895E	749.893A	22
23	750.282	750.240	750.250	750.251	750.119	750.009	750.258	750.265	750.038	749.895	749.892E	749.896	23
24	750.278	750.234	750.246	750.250	750.115	750.014	750.253	750.254	750.037	749.893	749.890E	749.900	24
25	750.276	750.236	750.248	750.247	750.107A	750.013	750.243	750.244	750.035	749.896A	749.889E	749.897A	25
26	750.276A	750.233	750.250	750.243	750.103	750.009	750.267	750.236	750.027	749.892E	749.886E	749.894A	26
27	750.272E	750.238	750.259	750.236	750.103	750.015	750.333	750.236	750.022	749.890A	749.884E	749.900	27
28	750.269E	750.240	750.267	750.226	750.101	750.016	750.364	750.231	750.017	749.878A	749.884E	749.897E	28
29	750.267E		750.268	750.206	750.097A	750.020	750.382	750.226	750.007	749.883A	749.880E	749.893A	29
30	750.265E		750.274	750.200	750.089E	750.016	750.393	750.217	750.003	749.885	749.881E	749.892A	30
31	750.263E		750.276		750.084A		750.400	750.205		749.891		749.891	31
MEAN	750.284	750.248	750.250	750.264	750.145	750.032	750.284	750.308	750.095	749.909	749.889	749.887	MEAN
MAX	750.306	750.265	750.276	750.295	750.207	750.075	750.400	750.403	750.195	749.987	749.898	749.900	MAX
MIN	750.263	750.233	750.226	750.200	750.084	750.009	750.041	750.205	750.003	749.878	749.879	749.878	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 750.133
MAXIMUM DAILY, 750.403 ON AUG 01
MINIMUM DAILY, 749.878A ON OCT 28
MAXIMUM INSTANTANEOUS,
750.408 AT 12:26 CST ON AUG 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 25 N
LONG 105 28 23 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1975

DRAINAGE AREA,
1 370 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.642	0	0	0	0	0	0	---	---	1
2	---	---	0.002B	0.467	0	0	0	0	0	0	---	---	2
3	---	---	0.013B	0.310	0	0	0	0	0	0	---	---	3
4	---	---	0.010B	0.186	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.139	0	0	0	0	0	0	---	---	5
6	---	---	0.003B	0.108	0	0	0	0	0	0	---	---	6
7	---	---	0.041B	0.094	0	0	0	0	0	0	---	---	7
8	---	---	0.045B	0.071	0	0	0	0	0	0	---	---	8
9	---	---	0.108B	0.019	0	0	0	0	0	0	---	---	9
10	---	---	0.018B	0.016	0	0	0	0	0	0	---	---	10
11	---	---	0.008B	0.016	0	0	0	0	0	0	---	---	11
12	---	---	0.004B	0.014	0	0	0	0	0	0	---	---	12
13	---	---	0.002B	0.011	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.006	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.003	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.008B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.005B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.005B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.032B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.311B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.158B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.176B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.311B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.209B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.148B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.156B	0	0	0	0	0	0	0	---	---	27
28	---	OB	0.248B	0	0	0	0	0	0	0	---	---	28
29	---		0.580B	0	0	0	0	0	0	0	---	---	29
30	---		0.796	0	0	0	0	0	0	0	---	---	30
31	---		0.647		0		0	0		0	---	---	31
TOTAL	---	---	4.046	2.102	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.131	0.070	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.796	0.642	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.025
MAXIMUM DAILY, 0.796 ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.960 AT 18:05 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 26 N
LONG 104 54 31 W
DRAINAGE AREA, 615 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	350	SEP	0
APR	182	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 532 dam³

COWAN LAKE NEAR HONEYMOON POINT - STATION NO. 06AE002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	476.060	476.168	476.336	476.304	---	---	---	1
2	---	---	---	---	---	476.060	476.170	476.335	476.302	---	---	---	2
3	---	---	---	---	---	476.058	476.217	476.336	476.299	---	---	---	3
4	---	---	---	---	---	476.046	476.223	476.334	476.294	---	---	---	4
5	---	---	---	---	---	476.057	476.223	476.334	476.289	---	---	---	5
6	---	---	---	---	---	476.074	476.223	476.332	476.287	---	---	---	6
7	---	---	---	---	---	476.075	476.223	476.333	476.286	---	---	---	7
8	---	---	---	---	---	476.076	476.234	476.335	476.283	---	---	---	8
9	---	---	---	---	---	---	476.076	476.244	476.332	476.283	---	---	9
10	---	---	---	---	476.115	476.088	476.254	476.328	476.283	---	---	---	10
11	---	---	---	---	476.115	476.111	476.257	476.323	476.282	---	---	---	11
12	---	---	---	---	476.128	476.116	476.257	476.321	476.281	---	---	---	12
13	---	---	---	---	476.137	476.116	476.257	476.319	476.280	---	---	---	13
14	---	---	---	---	476.146	476.119	476.264	476.328	476.277	---	---	---	14
15	---	---	---	---	476.153	476.118	476.271	476.327	476.275	---	---	---	15
16	---	---	---	---	476.156	476.119	476.276	476.327	476.270	---	476.275	---	16
17	---	---	---	---	476.158	476.123	476.280	476.325	476.260	---	---	---	17
18	---	---	---	---	476.159	476.133	476.282	476.324	476.265	---	---	---	18
19	---	---	---	---	476.158	476.148	476.287	476.322	476.260	---	---	---	19
20	---	---	---	---	476.159	476.161	476.287	476.322	476.258	---	---	---	20
21	---	---	---	---	476.161	476.162	476.291	476.320	476.254	---	---	---	21
22	---	---	---	---	476.161	476.166	476.293	476.319	476.250	---	---	---	22
23	---	---	---	---	476.145	476.163	476.298	476.322	476.245	---	---	---	23
24	---	---	---	---	476.135	476.166	476.309	476.319	476.240	---	---	---	24
25	---	---	---	---	476.121	476.166	476.320	476.317	476.236	---	---	---	25
26	---	---	---	---	476.106	476.165	476.324	476.314	476.233	---	---	---	26
27	---	---	---	---	476.101	476.164	476.329	476.309	476.230	---	---	---	27
28	---	---	---	---	476.087	476.165	476.330	476.303	476.231	---	---	---	28
29	---		---	---	476.067	476.166	476.328	476.301	476.231	---	---	---	29
30	---		---	---	476.047	476.166	476.327	476.303	476.231	---	---	---	30
31	---		---		476.055		476.328	476.304		---		---	31
MEAN	---	---	---	---	---	476.120	476.270	476.323	476.267	---	---	---	MEAN
MAX	---	---	---	---	---	476.166	476.330	476.336	476.304	---	---	---	MAX
MIN	---	---	---	---	---	476.046	476.168	476.301	476.230	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 476.336 ON AUG 01
MINIMUM DAILY, 476.046 ON JUN 04

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 57 52 N
LONG 107 12 24 W

DATA CONTRIBUTED BY - SASKATCHEWAN WATER CORPORATION

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA, 4 070 km²

CREAN LAKE AT THE WARDEN STATION - STATION NO. 06CA008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	7.062E	7.132	7.151	7.155E	7.042E	6.943	---	---	1
2	---	---	---	---	7.068E	7.132E	7.153E	7.153E	7.040E	6.942	---	---	2
3	---	---	---	---	7.074E	7.131E	7.155E	7.151	7.038E	6.941E	---	---	3
4	---	---	---	---	7.080E	7.131E	7.157	7.148E	7.036E	6.940E	---	---	4
5	---	---	---	---	7.086E	7.130	7.160E	7.145E	7.035E	6.939E	---	---	5
6	---	---	---	---	7.092E	7.130E	7.163E	7.142	7.034	6.937E	---	---	6
7	---	---	---	---	7.099	7.130	7.167	7.139E	7.030E	6.935E	---	---	7
8	---	---	---	---	7.106E	7.131E	7.167E	7.136E	7.027	6.933	---	---	8
9	---	---	---	---	7.113	7.131E	7.166	7.133E	7.018	6.930	---	---	9
10	---	---	---	---	7.113E	7.132E	7.165E	7.131	7.015E	6.928E	---	---	10
11	---	---	---	---	7.113	7.132	7.163E	7.121	7.013	6.926E	---	---	11
12	---	---	---	---	7.114E	7.139E	7.162E	7.116	7.008E	6.924E	---	---	12
13	---	---	---	---	7.114E	7.146E	7.161	7.116E	7.002E	6.922E	---	---	13
14	---	---	---	---	7.115E	7.154	7.159E	7.115E	6.997	6.920E	---	---	14
15	---	---	---	---	7.115E	7.148E	7.157E	7.114E	6.991E	6.919	---	---	15
16	---	---	---	---	7.116E	7.143	7.154	7.114	6.985E	6.916E	---	---	16
17	---	---	---	---	7.117E	7.142E	7.152E	7.104	6.979	6.913E	---	---	17
18	---	---	---	---	7.118E	7.141E	7.149E	7.098E	6.977E	6.910E	---	---	18
19	---	---	---	---	7.119	7.140	7.147	7.091	6.976E	6.906	---	---	19
20	---	---	---	---	7.129	7.139E	7.139	7.088E	6.975	6.904E	---	---	20
21	---	---	---	---	7.129E	7.137E	7.135E	7.085E	6.976	6.902E	---	---	21
22	---	---	---	---	7.129	7.136	7.131	7.082E	6.976E	6.900E	---	---	22
23	---	---	---	---	7.129E	7.138E	7.131	7.080	6.975E	6.898E	---	---	23
24	---	---	---	---	7.129E	7.140	7.136E	7.074E	6.975E	6.897E	---	---	24
25	---	---	---	---	7.129E	7.138E	7.141E	7.067	6.974	6.896E	---	---	25
26	---	---	---	---	7.129	7.137	7.146E	7.058	6.968E	6.895E	---	---	26
27	---	---	---	---	7.132E	7.130	7.151	7.055E	6.962E	6.894E	---	---	27
28	---	---	---	---	7.135E	7.133E	7.159E	7.052E	6.955	6.892E	---	---	28
29	---		---	---	7.138	7.137E	7.167	7.049E	6.952E	6.890	---	---	29
30	---		---	---	7.136E	7.140	7.157	7.046	6.950	6.885	---	---	30
31	---		---		7.134E		7.156	7.044E		6.884E		---	31
MEAN	---	---	---	---	7.113	7.137	7.153	7.103	6.996	6.915	---	---	MEAN
MAX	---	---	---	---	7.138	7.154	7.167	7.155	7.042	6.943	---	---	MAX
MIN	---	---	---	---	7.062	7.130	7.131	7.044	6.950	6.884	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 7.167 ON JUL 07

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 01 49 N
LONG 106 14 51 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1958

DRAINAGE AREA, 395 km²

CREE LAKE AT CABLE BAY - STATION NO. 07LD001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	486.755	486.797	486.819	486.813	486.806	486.802	486.861	486.797	486.721	486.664	486.623	486.675	1
2	486.750	486.804	486.826	486.810	486.809	486.791	486.864	486.747	486.720	486.647	486.625	486.678	2
3	486.750	486.806	486.832	486.805	486.815	486.789	486.872	486.780	486.706	486.681	486.621	486.684	3
4	486.757	486.802	486.831	486.806	486.815	486.792	486.956	486.787	486.689	486.677	486.618	486.680	4
5	486.761	486.810	486.831	486.808	486.818	486.787	486.841	486.784	486.714	486.669	486.604	486.678	5
6	486.763	486.809	486.829	486.802	486.821	486.791	486.838	486.785	486.695	486.665	486.616	486.681	6
7	486.770	486.811	486.830	486.800	486.816	486.791	486.844	486.741	486.665	486.663	486.616	486.685	7
8	486.768	486.805	486.831	486.799	486.811	486.782	486.847	486.761	486.684	486.645	486.588	486.687	8
9	486.773	486.805	486.819	486.795	486.810	486.788	486.843	486.768	486.687	486.631	486.607	486.688	9
10	486.770	486.811	486.830	486.796	486.808	486.793	486.844	486.766	486.692	486.657	486.619	486.692	10
11	486.771	486.810	486.829	486.797	486.803	486.817	486.826A	486.764	486.696	486.650	486.621	486.693	11
12	486.780	486.804	486.829	486.794	486.807	486.831	486.818A	486.755	486.686	486.626	486.631	486.692	12
13	486.783	486.806	486.829	486.795	486.807	486.826	486.815A	486.771	486.683	486.641	486.637	486.693	13
14	486.779	486.807	486.830	486.793	486.806	486.808	486.766A	486.768	486.699	486.635	486.637	486.694	14
15	486.773	486.810	486.828	486.790	486.807	486.795	486.791	486.766	486.686	486.641	486.636	486.695	15
16	486.776	486.810	486.819	486.791	486.806	486.821	486.805	486.764	486.670	486.641	486.637	486.696	16
17	486.773	486.810	486.815	486.797	486.805	486.826	486.800	486.760	486.667	486.642	486.637	486.698	17
18	486.777	486.812	486.820	486.794	486.806	486.821	486.810	486.730	486.664	486.606	486.634	486.691	18
19	486.778	486.818	486.822	486.791	486.806	486.829	486.819	486.726	486.687	486.636	486.637	486.693	19
20	486.779	486.819	486.821	486.797	486.809	486.830	486.816	486.708	486.680	486.633	486.640	486.694	20
21	486.778	486.820	486.814	486.802	486.807	486.836	486.807	486.740	486.679	486.618	486.648	486.695	21
22	486.783	486.826	486.810	486.809	486.809	486.837	486.817	486.744	486.653	486.623	486.654	486.694	22
23	486.785	486.816	486.813	486.809	486.808	486.837	486.817	486.736	486.676	486.635	486.662	486.698	23
24	486.791	486.821	486.810	486.811	486.809	486.827	486.818	486.696	486.664	486.604	486.663	486.693	24
25	486.794	486.825	486.814	486.813	486.809	486.834	486.818	486.724	486.649	486.632	486.666	486.696	25
26	486.790	486.820	486.819	486.814	486.801	486.839	486.809	486.722	486.646	486.621	486.668	486.704	26
27	486.795	486.827	486.819	486.816	486.802	486.841	486.820	486.712	486.671	486.620	486.672	486.699	27
28	486.797	486.823	486.819	486.814	486.798	486.844	486.795	486.713	486.665	486.575	486.673	486.699	28
29	486.794		486.816	486.810	486.795	486.844	486.797	486.721	486.620	486.586	486.676	486.705	29
30	486.789		486.809	486.805	486.793	486.847	486.784	486.734	486.656	486.607	486.672	486.703	30
31	486.793		486.813		486.796		486.805	486.737		486.621		486.702	31
MEAN	486.777	486.812	486.822	486.803	486.807	486.816	486.821	486.749	486.679	486.635	486.638	486.692	MEAN
MAX	486.797	486.827	486.832	486.816	486.921	486.847	486.872	486.797	486.721	486.681	486.676	486.705	MAX
MIN	486.755	486.797	486.809	486.790	486.793	486.782	486.766	486.696	486.620	486.575	486.588	486.675	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 486.754
MAXIMUM DAILY, 486.872 ON JUL 03
MINIMUM DAILY, 486.575 ON OCT 28
MAXIMUM INSTANTANEOUS,
486.892 AT 11:54 CST ON JUL 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 20 00 N
LONG 107 08 00 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
6 190 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	101	101	102	115	159	142	158	140	116	116	105	103	1
2	102	101	102	116	160	141	158	137	116	115	105	104	2
3	102	101	102	116	161	140	158	136	116	115	106	105	3
4	102	101	102	117	163	139	157	136	115	115	108	106	4
5	102	101	102	118	165	138	157	134	115	115	108	106	5
6	103	101	103	120	169	137	157	134	114	115	108	107	6
7	103	101	103	120	176	137	157	131	113	115	106	108	7
8	103	100	103	121	177	135	157	130	113	114	105	108	8
9	104	100	103	122	175	135	157	129	113	114	104	108	9
10	104	99.4	104	123	173	135	157	128	113	114	104	108	10
11	103	99.1	104	124	170	134	156	127	113	114	103	108	11
12	103	98.7	104	124	168	135	155	126	113	116	101	108	12
13	103	98.6	106	124	166	135	154	126	114	116	101	107	13
14	103	98.8	107	124	164	137	152	125	114	115	99.4	107	14
15	103	98.8	109	124	162	140	151	124	115	115	97.5	106	15
16	103	99.1	110	124	159	141	152	123	117	114	96.4	106	16
17	103	99.7	111	125	158	143	151	123	116	115	95.9	106	17
18	103	100	112	125	157	146	152	122	116	114	96.0	106	18
19	102	101	114	125	155	148	151	121	118	114	96.7	106	19
20	103	101	115	125	154	150	151	121	118	114	98.0	105	20
21	103	102	116	127	154	152	151	121	118	115	99.1	105	21
22	104	102	116	128	154	154	149	121	118	115	101	105	22
23	104	101	118	131	154	156	149	120	118	112	101	105	23
24	103	102	118	136	153	156	148	119	118	112	101	104	24
25	103	102	118	142	153	156	147	118	117	113	99.9	104	25
26	103	101	118	148	151	156	146	118	117	113	98.7	104	26
27	103	102	117	152	150	155	145	117	118	112	98.2	103	27
28	102	102	117	154	149	157	142	117	118	111	98.8	103	28
29	101		116	155	147	157	142	117	117	108	100	102	29
30	102		115	157	146	158	142	118	116	107	101	101	30
31	102		115		145		141	118		106		99.7	31
TOTAL	3 185	2 815.2	3 402	3 862	4 947	4 345	4 700	3 877	3 473	3 519	3 042.6	3 263.7	TOTAL
MEAN	103	101	110	129	160	145	152	125	116	114	101	105	MEAN
MAX	104	102	118	157	177	158	158	140	118	116	108	108	MAX
MIN	101	98.6	102	115	145	134	141	117	113	106	95.9	99.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 122
MAXIMUM DAILY, 177 ON MAY 08
MINIMUM DAILY, 95.9 ON NOV 17
MAXIMUM INSTANTANEOUS,
178 AT 01:00 CST ON MAY 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 51 30 N
LONG 105 49 10 W
DRAINAGE AREA, 20 700 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	275 000	JUL	406 000
FEB	243 000	AUG	335 000
MAR	294 000	SEP	300 000
APR	334 000	OCT	304 000
MAY	427 000	NOV	263 000
JUN	375 000	DEC	282 000

TOTAL DISCHARGE, 3 840 000 dam³

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05HF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.004	0.002	0.001	0	0	0	0	---	---	1
2	---	---	0.006B	0.005	0.003	0.002	0	0	0	0	---	---	2
3	---	---	0.009B	0.006	0.003	0.001	0.052	0	0	0	---	---	3
4	---	---	0.041B	0.003	0.002	0.001	0.004	0	0	0	---	---	4
5	---	---	0.077B	0.002	0.001	0.001	0.001	0	0	0	---	---	5
6	---	---	0.061B	0.002	0.001	0.001	0.006	0	0	0	---	---	6
7	---	---	0.045B	0.002	0.001	0	0.017	0	0	0	---	---	7
8	---	---	0.036B	0.002	0.001	0.001	0.003	0	0	0	---	---	8
9	---	---	0.016B	0.001	0.001	0	0.001	0	0	0	---	---	9
10	---	---	0.007B	0.001	0.001	0	0	0	0	0	---	---	10
11	---	---	0.010B	0.001	0.001	0.001	0	0	0	0	---	---	11
12	---	---	0.006B	0.002	0.001	0	0	0	0	0	---	---	12
13	---	---	0.003B	0.003	0.001	0	0	0	0	0	---	---	13
14	---	---	0.003B	0.002	0.001	0	0	0	0	0	---	---	14
15	---	---	0.003B	0.002	0.003	0	0	0	0	0.001	---	---	15
16	---	---	0.009B	0.001	0.002	0	0	0	0	0	---	---	16
17	---	---	0.012B	0.001	0.001	0	0	0	0	0	---	---	17
18	---	---	0.006B	0.001	0.002	0	0	0	0	0.001	---	---	18
19	---	---	0.007B	0.001	0.002	0	0	0	0	0.001A	---	---	19
20	---	---	0.007B	0.001	0.001	0	0	0	0	0.001E	---	---	20
21	---	---	0.003B	0.001	0.001	0	0	0	0	0.001B	---	---	21
22	---	---	0.001B	0.001	0.001	0	0	0	0	0.001B	---	---	22
23	---	---	0 B	0.001	0.001	0	0	0	0	0.001B	---	---	23
24	---	---	0 B	0.001	0.001	0	0	0	0	0.001B	---	---	24
25	---	---	0.001	0.001	0.001	0	0	0	0	0.001B	---	---	25
26	---	---	0.002	0.001	0.001	0	0	0	0	0.001E	---	---	26
27	---	---	0.008	0.001	0.001	0	0.001	0	0	0.001E	---	---	27
28	---	---	0.011	0.001	0.001	0	0.002	0	0	0.001E	---	---	28
29	---	---	0.011	0 B	0	0	0	0	0	0.001B	---	---	29
30	---		0.007	0.002B	0	0	0	0	0	0.001B	---	---	30
31	---		0.006		0.001		0	0		0 B		---	31
TOTAL	---	---	0.415	0.053	0.040	0.009	0.087	0	0	0.014	---	---	TOTA
MEAN	---	---	0.013	0.002	0.001	0	0.003	0	0	0.001	---	---	MEAN
MAX	---	---	0.077	0.006	0.003	0.002	0.052	0	0	0.001	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.077B ON MAR 05
MINIMUM DAILY, 0B ON MAR 23
MAXIMUM INSTANTANEOUS,
0.174 AT 06:57 CST ON JUL 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 20 08 N
LONG 108 27 03 W
DRAINAGE AREA, 13.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.52
FEB	---	AUG	0
MAR	35.8	SEP	0
APR	4.58	OCT	1.21
MAY	3.46	NOV	---
JUN	0.778	DEC	---

TOTAL DISCHARGE, 53.3 dam³

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.874	0	0.007	0	0	0	0	---	---	1
2	---	---	0 B	0.598	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.710	0.015	0	0	0	0	0	---	---	3
4	---	---	0 B	0.612	0.075	0	0	0	0	0	---	---	4
5	---	---	0 B	0.214	0.083	0	0	0	0	0	---	---	5
6	---	---	0 B	0.106	0.061	0.001	0	0	0	0	---	---	6
7	---	---	0 B	0.082	0.039	0.011	0	0	0	0	---	---	7
8	---	---	0 B	0.049	0.036	0	0	0	0	0	---	---	8
9	---	---	0 B	0.036	0.047	0	0	0	0	0	---	---	9
10	---	---	0 B	0.013	0.069	0	0	0	0	0	---	---	10
11	---	---	0 B	0.005	0.050	0	0	0	0	0	---	---	11
12	---	---	0 B	0.003	0.040	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0.026	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0.016	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0.008	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0.006	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0.004	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0.007	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0.022	0	0	0	0	0	---	---	19
20	---	---	0 B	0.003	0.019	0	0	0	0	0	---	---	20
21	---	---	0 B	0.002	0.019	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0.019	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0.011	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0.005	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0.002	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.011B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.978B	0.007	0.007	0	0	0	0	0	---	---	29
30	---		2.91 B	0.012	0.005	0	0	0	0	0	---	---	30
31	---		2.35 B		0		0	0		0		---	31
TOTAL	---	---	6.249	3.326	0.691	0.019	0	0	0	0	---	---	TOTA
MEAN	---	---	0.202	0.111	0.022	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	2.91	0.874	0.083	0.011	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.042
MAXIMUM DAILY, 2.91B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
3.94B AT 00:15 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 57 32 N
LONG 105 28 16 W
DRAINAGE AREA, 71.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	540	SEP	0
APR	287	OCT	0
MAY	59.7	NOV	---
JUN	1.64	DEC	---

TOTAL DISCHARGE, 888 dam³

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0 B	0.728	0.005	0	0	0	0	---	---	1
2	---	---	OB	0 B	0.709	0.004	0	0	0	0	---	---	2
3	---	---	OB	0.010B	0.565	0.005	0	0	0	0	---	---	3
4	---	---	OB	3.18 B	0.462	0.005	0	0	0	0	---	---	4
5	---	---	OB	6.99 B	0.369	0.002	0	0	0	0	---	---	5
6	---	---	OB	9.16 B	0.309	0	0	0	0	0	---	---	6
7	---	---	OB	10.4 B	0.241	0	0	0	0	0	---	---	7
8	---	---	OB	15.9 B	0.210	0	0	0	0	0	---	---	8
9	---	---	OB	13.2 B	0.186	0	0	0	0	0	---	---	9
10	---	---	OB	7.26 B	0.152	0	0	0	0	0	---	---	10
11	---	---	OB	7.20 B	0.111	0	0	0	0	0	---	---	11
12	---	---	OB	6.55 B	0.076	0	0	0	0	0	---	---	12
13	---	---	OB	6.55 B	0.053	0	0	0	0	0	---	---	13
14	---	---	OB	7.16 B	0.047	0	0	0	0	0	---	---	14
15	---	---	OB	8.00 B	0.066	0	0	0	0	0	---	---	15
16	---	---	OB	6.67	0.081	0	0	0	0	0	---	---	16
17	---	---	OB	4.83	0.087	0	0	0	0	0	---	---	17
18	---	---	OB	4.60	0.060	0	0	0	0	0	---	---	18
19	---	---	OB	4.97	0.044	0	0	0	0	0	---	---	19
20	---	---	OB	4.70	0.047	0.014	0	0	0	0	---	---	20
21	---	---	OB	4.01	0.036	0.006	0	0	0	0	---	---	21
22	---	---	OB	3.51	0.083	0.006	0	0	0	0	---	---	22
23	---	---	OB	3.31	0.139	0.006	0	0	0	0	---	---	23
24	---	---	OB	2.71	0.084	0.005	0	0	0	0	---	---	24
25	---	---	OB	2.07	0.048	0.004	0	0	0	0	---	---	25
26	---	---	OB	1.62	0.023	0.001	0	0	0	0	---	---	26
27	---	---	OB	1.19	0.014	0	0	0	0	0	---	---	27
28	---	---	OB	0.773	0.007	0	0	0	0	0	---	---	28
29	---	---	OB	0.693	0.005	0	0	0	0	0	---	---	29
30	---		OB	0.752	0.004	0	0	0	0	0	---	---	30
31	---		OB		0.004		0	0		0		---	31
TOTAL	---	---	0	147.748	5.050	0.063	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	4.92	0.163	0.002	0	0	0	0	---	---	MEAN
MAX	---	---	0	15.9	0.728	0.014	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.004	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.624
MAXIMUM DAILY, 15.9B ON APR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
16.5B AT 14:05 CST ON APR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 39 48 N
LONG 102 25 41 W
DRAINAGE AREA, 582 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	12 800	OCT	0
MAY	436	NOV	---
JUN	5.44	DEC	---

TOTAL DISCHARGE, 13 200 dam³

CROOKED LAKE NEAR GRAYSON - STATION NO. 05JM006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	450.816	450.752	450.755	451.507	451.624	451.717	451.710	451.690	451.625	451.533	451.176	450.814	1
2	450.812	450.755	450.751	451.598	451.647	451.710	451.712	451.689	451.626	451.528	451.144	450.807	2
3	450.807	450.757	450.751	451.717	451.668	451.706	451.723	451.690	451.635	451.525	451.109	450.805	3
4	450.801	450.761	450.746	452.041	451.687	451.699	451.717	451.690	451.633	451.510	451.081	450.801	4
5	450.800	450.761	450.744	452.245	451.701	451.703	451.714	451.686	451.633	451.502	451.060	450.802	5
6	450.798	450.762	450.742	452.361	451.711	451.702	451.723A	451.684	451.632	451.498	451.027	450.799	6
7	450.795	450.758	450.740	452.433	451.717	451.704	451.750E	451.684	451.631	451.494	451.005	450.797	7
8	450.790	450.759	450.738	452.466	451.722	451.708	451.784A	451.682	451.630	451.496	450.994	450.794	8
9	450.783	450.754	450.738	452.482	451.725	451.712	451.792E	451.676	451.626	451.493	450.978	450.795	9
10	450.784	450.756	450.737	452.470	451.731	451.708	451.788E	451.672	451.623	451.479	450.962	450.794	10
11	450.785	450.755	450.744	452.406	451.734	451.705	451.784E	451.672	451.625	451.456	450.951	450.799	11
12	450.782	450.751	450.764	452.302	451.736	451.698	451.769E	451.668	451.617	451.434	450.938	450.804	12
13	450.781	450.747	450.804	452.190	451.742	451.700	451.750A	451.666	451.619	451.428	450.930	450.799	13
14	450.778	450.748	450.832	452.086	451.741	451.703	451.741A	451.661	451.618	451.418	450.923	450.799	14
15	450.773	450.749	450.866	451.985	451.738	451.699	451.731	451.660	451.616	451.404	450.912	450.797	15
16	450.766	450.749	450.891	451.890	451.755	451.697	451.723	451.657	451.610	451.377	450.901	450.797	16
17	450.763	450.749	450.915	451.803	451.753	451.702	451.726	451.653	451.610	451.352	450.893	450.795	17
18	450.758	450.750	450.941	451.713	451.743	451.709	451.720	451.651	451.608	451.329	450.885	450.798	18
19	450.754	450.753	450.969	451.654	451.743	451.720A	451.717	451.649	451.604	451.325	450.877	450.799	19
20	450.750	450.756	451.000	451.595	451.745	451.730E	451.716	451.652	451.609	451.312	450.872	450.798	20
21	450.748	450.755	451.039	451.543	451.749	451.730E	451.712	451.650	451.606	451.299	450.870	450.797	21
22	450.744	450.755	451.094	451.494	451.756	451.731E	451.709	451.658	451.601	451.296	450.862	450.798	22
23	450.746	450.756	451.141	451.455	451.752	451.731E	451.710	451.658	451.598	451.292	450.862A	450.802	23
24	450.742	450.753	451.182	451.426	451.742	451.727E	451.709	451.657	451.599	451.285	450.858	450.805	24
25	450.737	450.754	451.213	451.455	451.735	451.724E	451.701	451.656	451.597	451.288	450.850	450.804	25
26	450.739	450.757	451.235	451.486	451.738	451.720E	451.702	451.655	451.593	451.293	450.847	450.806	26
27	450.738	450.754	451.256	451.508	451.733	451.714A	451.726	451.653	451.577	451.290	450.842	450.812	27
28	450.740	450.754	451.273	451.539	451.730	451.712	451.719	451.648	451.564	451.288	450.836	450.814	28
29	450.749		451.299	451.568	451.723	451.713	451.706	451.643	451.549	451.284	450.831	450.813	29
30	450.749		451.339	451.597	451.717	451.708	451.695	451.639	451.543	451.248	450.825	450.816	30
31	450.751		451.417		451.716		451.689	451.636		451.213		450.819	31
MEAN	450.770	450.754	450.957	451.867	451.724	451.711	451.728	451.664	451.609	451.386	450.937	450.803	MEAN
MAX	450.816	450.762	451.417	452.482	451.756	451.731	451.792	451.690	451.635	451.533	451.176	450.819	MAX
MIN	450.737	450.747	450.737	451.426	451.624	451.697	451.689	451.636	451.543	451.213	450.825	450.794	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 451.328
MAXIMUM DAILY, 452.482 ON APR 09
MINIMUM DAILY, 450.737 ON JAN 25
MAXIMUM INSTANTANEOUS,
452.489 AT 15:31 CST ON APR 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 36 33 N
LONG 102 40 42 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1944

DRAINAGE AREA,
44 400 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CRYSTAL CREEK NEAR IFFLEY - STATION NO. 05EG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	---	---	0.139B	0.540B	0.419	0.162	0.057	0.136	0.062	0.087	0.130	---	
2	---	---	0.139B	1.10 B	0.399	0.159	0.042	0.082	0.070	0.080	0.137	---	
3	---	---	0.139B	2.30 B	0.407	0.143	0.236	0.059	0.067	0.085	0.140B	---	
4	---	---	0.141B	2.62 B	0.400	0.138	0.414	0.061	0.060	0.099	0.142B	---	
5	---	---	0.143B	2.74 B	0.381	0.147	0.214	0.055	0.056	0.100	0.145B	---	
6	---	---	0.147B	2.66 B	0.370	0.147	0.327	0.049	0.062	0.113	0.1483	---	
7	---	---	0.152B	2.30 B	0.344	0.171	0.456	0.037	0.069	0.130	0.151B	---	
8	---	---	0.158B	1.78 B	0.345	0.195	0.529	0.033	0.065	0.225	---	---	
9	---	---	0.166B	1.39 D	0.378	0.189	0.404	0.067	0.072	0.204	---	---	
10	---	---	0.176B	1.17 A	0.342	0.174	0.326	0.037	0.072	0.131	---	---	1
11	---	---	0.184B	1.01	0.313	0.186	0.437	0.034	0.081	0.130	---	---	1
12	---	---	0.192B	0.829	0.296	0.170	0.390	0.024	0.065	0.126	---	---	
13	---	---	0.200B	0.714	0.284	0.209	0.278	0.012	0.051	0.133	---	---	
14	---	---	0.203B	0.591	0.279	0.173	0.192	0.014	0.123	0.154	---	---	
15	---	---	0.203B	0.551	0.288	0.197	0.145	0.028	0.086	0.139	---	---	
16	---	---	0.197B	0.507	0.292	0.165	0.128	0.029	0.181	0.132	---	---	
17	---	---	0.182B	0.485	0.290	0.138	0.132	0.042	0.131	0.134	---	---	
18	---	---	0.162B	0.463	0.291	0.135	0.147	0.053	0.095	0.143	---	---	
19	---	---	0.150B	0.444	0.302	0.162	0.132	0.054	0.085	0.174	---	---	
20	---	---	0.145B	0.433	0.280	0.144	0.126	0.042	0.067	0.131	---	---	
21	---	---	0.144B	0.427	0.279	0.130	0.121	0.033	0.080	0.131	---	---	
22	---	---	0.145B	0.420	0.339	0.112	0.215	0.044	0.080	0.135	---	---	
23	---	---	0.146B	0.429	0.318	0.097	0.119	0.041	0.085	0.199	---	---	
24	---	---	0.147B	0.435	0.286	0.090	0.084	0.043	0.087	0.159	---	---	
25	---	---	0.149B	0.469	0.268	0.064	0.061	0.035	0.073	0.151	---	---	
26	---	---	0.154B	0.519	0.250	0.058	0.054	0.033	0.072	0.134	---	---	
27	---	0.139B	0.160B	0.509	0.234	0.053	0.080	0.025	0.078	0.128	---	---	
28	---	0.139B	0.168B	0.454	0.315	0.049	0.332	0.025	0.075	0.129	---	---	
29	---		0.184B	0.422	0.224	0.050	0.347	0.050	0.072	0.161	---	---	
30	---		0.200B	0.411	0.204	0.061	0.192	0.067	0.076	0.161	---	---	
31	---		0.250B		0.190		0.127	0.061		0.120			
TOTAL	---	---	5.165	29.122	9.607	4.068	6.844	1.405	2.398	4.258	---	---	T
MEAN	---	---	0.167	0.971	0.310	0.136	0.221	0.045	0.080	0.137	---	---	M
MAX	---	---	0.250	2.74	0.419	0.209	0.529	0.136	0.181	0.225	---	---	M
MIN	---	---	0.139	0.411	0.190	0.049	0.042	0.012	0.051	0.080	---	---	M

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.257
MAXIMUM DAILY, 2.74B ON APR 05
MINIMUM DAILY, 0.012 ON AUG 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 47 N
LONG 108 09 23 W
DRAINAGE AREA, 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	591
FEB	---	AUG	121
MAR	446	SEP	207
APR	2 520	OCT	368
MAY	830	NOV	---
JUN	351	DEC	---

TOTAL DISCHARGE, 5 430 dam³

CUMBERLAND LAKE NEAR CUMBERLAND HOUSE - STATION NO. 05KH002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MA	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	265.800E	266.252	266.347	266.128	265.788	265.834	266.568	266.328	265.393	264.763	265.169	265.442
2	265.880E	266.299	266.372	266.097	265.768	265.871	266.576	266.303	265.335	264.862	265.106	265.399
3	265.930E	266.334	266.411	266.075	265.777	265.842	266.616	266.284	265.320	264.682	265.083	265.406
4	265.980E	266.309	266.429	266.078	265.794	265.831	266.615	266.235	265.252	264.929	265.037	265.430
5	265.960E	266.237	266.417	266.074	265.780	265.883	266.582	266.216	265.245	265.022	265.034	265.404
6	266.000E	266.188	266.414	266.072	265.783	265.872	266.594	266.170	265.273	264.977	265.073	265.408
7	265.940E	266.200	266.422	266.077	265.781	265.892	266.640	266.131	265.237	264.879	265.158	265.446
8	265.880E	266.259	266.400	266.091	265.750	265.892	266.673	266.096	265.316	264.788	265.174	265.453
9	265.940E	266.303	266.370	266.095	265.739	265.914	266.714	266.054	265.263	264.702	265.180	265.424
10	265.997A	266.332	266.349	266.091	265.764	265.912	266.755	266.004	265.217	264.734	265.192	265.398
11	265.977	266.354	266.313	266.104	265.780	265.939	266.803	265.948	265.228	264.682	265.122	265.413
12	266.057	266.370	266.277	266.138	265.789	265.948	266.822	265.897	265.223	264.886	265.134	265.431
13	266.124	266.367	266.254	266.181	265.775	266.044	266.844	265.902	265.257	264.929	265.124	265.454
14	266.141	266.361	266.253	266.223	265.740	266.073	266.866	265.878	265.240	265.025	265.112	265.470
15	266.088	266.366	266.254	266.219	265.713	266.113	266.861	265.844	265.262	265.064	265.153	265.495
16	266.061	266.325	266.253	266.209	265.694	266.172	266.873	265.902	265.274	265.072	265.171	265.503
17	266.087	266.289	266.262	266.258	265.652	266.218	266.886	265.736	265.285	265.067	265.160	265.476
18	266.119	266.318	266.287	266.262	265.638	266.254	266.868	265.665	265.280	265.100	265.145	265.478
19	266.160	266.316	266.267	266.206	265.668	266.290	266.869	265.622	265.224	265.185	265.173	265.483
20	266.192	266.273	266.259	266.165	265.717	266.320	266.873	265.600	265.222	265.191	265.138	265.478
21	266.162	266.263	266.239	266.130	265.732	266.350	266.846	265.586	265.176	265.213	265.108	265.405
22	266.109	266.270	266.223	266.095	265.729	266.389	266.820	265.571	265.052	265.193	265.242	265.355
23	266.137	266.282	266.233	266.030	265.713	266.408	266.791	265.544	264.930	265.109	265.434	265.396
24	266.150	266.276	266.225	265.976	265.713	266.445	266.750	265.525	264.894	265.105	265.490	265.412
25	266.149	266.304	266.225	265.951	265.731	266.472	266.688	265.505	264.844	265.159	265.525	265.395
26	266.146	266.301	266.216	265.945	265.725	266.503	266.627	265.450	264.814	265.205	265.541	265.382
27	266.171	266.315	266.193	265.912	265.735	266.530	266.576	265.394	264.758	265.184	265.535	265.318
28	266.190	266.336	266.178	265.911	265.745	266.551	266.551	265.352	264.785	265.130	265.529	265.276
29	266.183		266.172	265.904	265.746	266.557	266.470	265.360	264.822	265.062	265.521	265.331
30	266.173		266.150	265.844	265.758	266.557	266.385	265.391	264.824	265.087	265.499	265.358
31	266.211		266.144		265.771		266.347	265.423		265.132		265.397
MEAN	266.067	266.300	266.284	266.085	265.742	266.163	266.702	265.901	265.142	265.004	265.235	265.417
MAX	266.211	266.370	266.429	266.262	265.794	266.557	266.886	266.328	265.393	265.213	265.541	265.503
MIN	265.800	266.188	266.144	265.844	265.638	265.831	266.347	265.352	264.758	264.682	265.034	265.276

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 265.826
MAXIMUM DAILY, 266.886 ON JUL 17
MINIMUM DAILY, 264.682 ON OCT 03
MAXIMUM INSTANTANEOUS,
266.896 AT 19:10 CST ON JUL 17

WATER LEVELS ARE REFERRED TO PROVINCE OF SASKATCHEWAN DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 30 N
LONG 102 17 46 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
327 000 km²

CUT KNIFE CREEK NEAR CUT KNIFE - STATION NO. 05FF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.051	0.006	0.004	0.001	0.001	0.002	0.001	0.002	---	1
2	---	---	0.001B	0.043	0.006	0.005	0.001	0.001	0.002	0.001	0.002	---	2
3	---	---	0.001B	0.036	0.007	0.003	0.004	0.002	0.002	0.001	0.002	---	3
4	---	---	0.001B	0.021	0.007	0.004	0.004	0.002	0.002	0.001	0.002	---	4
5	---	---	0.001B	0.019	0.008	0.004	0.004	0.002	0.002	0.001	0.002	---	5
6	---	---	0.001B	0.018	0.012	0.005	0.003	0.001	0.002	0.001	0.002	---	6
7	---	---	0.001B	0.017	0.008	0.006	0.003	0.001	0.002	0.001	0.002B	---	7
8	---	---	0.528B	0.015	0.009	0.006	0.002	0.001	0.002	0.001	---	---	8
9	---	---	3.32 B	0.013	0.003	0.005	0.001	0.001	0.002	0.001	---	---	9
10	---	---	2.62 B	0.012	0.005	0.005	0.001	0.001	0.002	0.001	---	---	10
11	---	---	1.93 B	0.012	0.008	0.005	0.001	0.001	0.002	0.001	---	---	11
12	---	---	1.98 B	0.012	0.005	0.004	0.001	0.001	0.002	0.001	---	---	12
13	---	---	1.06 B	0.012	0.003	0.004	0.001	0.001	0.002	0.001	---	---	13
14	---	---	1.19 B	0.011	0.007	0.003	0.001	0.001	0.001	0.001	---	---	14
15	---	---	0.912B	0.010	0.008	0.003	0.001	0.001	0.001	0.001	---	---	15
16	---	---	0.785	0.009	0.009	0.002	0.001	0.001	0.001	0.001	---	---	16
17	---	---	0.694	0.009	0.008	0.002	0.001	0.001	0.001	0.001	---	---	17
18	---	---	0.523	0.009	0.007	0.006	0.001	0.001	0.001	0.001	---	---	18
19	---	---	0.419	0.010	0.007	0.015	0.001	0.001	0.001	0.001	---	---	19
20	---	---	0.301	0.010	0.007	0.004	0.001	0.001	0.001	0.001	---	---	20
21	---	---	0.238	0.018	0.006	0.002	0.001	0.001	0.001	0.002	---	---	21
22	---	---	0.202	0.013	0.006	0.001	0.001	0.001	0.001	0.001	---	---	22
23	---	---	0.147	0.005	0.006	0.002	0.001	0.001	0.001	0.001	---	---	23
24	---	---	0.114	0.006	0.005	0.002	0.001	0.001	0.001	0.002	---	---	24
25	---	---	0.094	0.008	0.005	0.001	0.001	0.001	0.001	0.002	---	---	25
26	---	---	0.082	0.006	0.006	0.001	0.001	0.002	0.001	0.002	---	---	26
27	---	0.002B	0.072	0.007	0.007	0.001	0.001	0.002	0.001	0.002	---	---	27
28	---	0.002B	0.069	0.006	0.007	0.001	0.001	0.001	0.001	0.002	---	---	28
29	---		0.058	0.008	0.005	0.002	0.001	0.001	0.001	0.002	---	---	29
30	---		0.057	0.008	0.005	0.001	0.001	0.001	0.001	0.002	---	---	30
31	---		0.055		0.005		0.001	0.001		0.002		---	31
TOTAL	---	---	17.458	0.434	0.203	0.109	0.045	0.036	0.043	0.040	---	---	TOTAL
MEAN	---	---	0.563	0.015	0.007	0.004	0.002	0.001	0.001	0.001	---	---	MEAN
MAX	---	---	3.32	0.051	0.012	0.015	0.004	0.002	0.002	0.002	---	---	MAX
MIN	---	---	0.001	0.005	0.003	0.001	0.001	0.001	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.075
MAXIMUM DAILY, 3.32B ON MAR 09
MINIMUM DAILY, 0.001B ON MAR 02
MAXIMUM INSTANTANEOUS,
5.12B AT 21:33 CST ON MAR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 18 N
LONG 108 46 52 W
DRAINAGE AREA, 403 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.89
FEB	---	AUG	3.11
MAR	1 510	SEP	3.72
APR	37.5	OCT	3.46
MAY	17.5	NOV	---
JUN	9.42	DEC	---

TOTAL DISCHARGE, 1 590 dam³

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.00 B	0.749	0.034	0.035	0.002	0.001	0	---	---	1
2	---	---	0 B	3.14 B	0.607	0.043	0.030	0.001	0.001	0	---	---	2
3	---	---	0 B	3.68 B	0.472	0.067	0.060	0.001	0.001	0	---	---	3
4	---	---	0 B	3.88 B	0.462	0.053	0.091	0.001	0.001	0	---	---	4
5	---	---	0 B	5.01 B	0.365	0.036	0.133	0.001	0	0	---	---	5
6	---	---	0 B	10.3 B	0.298	0.010	0.083	0	0	0	---	---	6
7	---	---	0 B	9.48 B	0.316	0.002	0.110	0	0	0	---	---	7
8	---	---	0 B	7.59	0.319	0.001	0.211	0	0	0	---	---	8
9	---	---	0 B	6.39	0.261	0.001	0.452	0	0	0	---	---	9
10	---	---	0 B	5.51	0.147	0.006	0.601	0	0	0	---	---	10
11	---	---	0 B	4.73	0.038	0.019	0.456	0	0	0	---	---	11
12	---	---	0.050B	3.65	0.005	0.015	0.651	0	0	0	---	---	12
13	---	---	0.276B	2.94	0.017	0.003	0.812	0	0	0	---	---	13
14	---	---	0.277B	2.61	0.016	0.008	0.707	0	0	0	---	---	14
15	---	---	0.348B	2.41	0.009	0.026	0.568	0	0	0	---	---	15
16	---	---	0.354B	2.19	0.199	0.058	0.619	0	0	0	---	---	16
17	---	---	0.311B	1.90	0.793	0.254	0.650	0	0	0	---	---	17
18	---	---	0.463B	1.82	0.562	0.722	0.645	0	0	0	---	---	18
19	---	---	0.345B	1.93	0.542	0.565	0.662	0	0	0	---	---	19
20	---	---	0.289B	1.95	0.943	0.477	0.492	0	0	0	---	---	20
21	---	---	0.199B	2.03	1.04	0.364	0.316	0	0	0	---	---	21
22	---	---	0.106B	1.92	0.914	0.281	0.181	0	0	0	---	---	22
23	---	---	0.137B	1.79	0.801	0.268	0.106	0	0	0	---	---	23
24	---	---	0.109B	1.71	0.569	0.301	0.052	0	0	0	---	---	24
25	---	---	0.068B	1.44	0.396	0.211	0.032	0	0	0	---	---	25
26	---	---	0.056B	1.29	0.341	0.134	0.009	0	0	0	---	---	26
27	---	---	0.029B	1.08	0.307	0.109	0.027	0	0	0	---	---	27
28	---	---	0.028B	0.924	0.268	0.079	0.270	0	0	0	---	---	28
29	---	---	0.070B	0.874	0.227	0.055	0.417	0	0	0	---	---	29
30	---		0.500B	0.789	0.149	0.026	0.039	0	0	0	---	---	30
31	---		1.00 B		0.060		0.035	0.001		0		---	31
TOTAL	---	---	5.015	96.957	12.192	4.228	9.552	0.007	0.004	0	---	---	TOTAL
MEAN	---	---	0.162	3.23	0.393	0.141	0.308	0	0	0	---	---	MEAN
MAX	---	---	1.00	10.3	1.04	0.722	0.812	0.002	0.001	0	---	---	MAX
MIN	---	---	0	0.789	0.005	0.001	0.009	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.522
MAXIMUM DAILY, 10.3B ON APR 06
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
13.2B AT 15:43 CST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 35 27 N
LONG 101 44 34 W
DRAINAGE AREA, 766 km²

B - ICE CONDITIONS

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	825
FEB	---	AUG	0.605
MAR	433	SEP	0.346
APR	8 380	OCT	0
MAY	1 050	NOV	---
JUN	365	DEC	---

TOTAL DISCHARGE, 11 100 dam³

CYPRESS LAKE - STATION NO. 11AC037

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	971.140	971.279E	971.292A	971.016	970.948	970.834E	970.753E	970.634	---	---	1
2	---	---	971.140	971.285E	971.291	971.009	970.942	970.832E	970.748E	970.631	---	---	2
3	---	---	971.147A	971.291E	971.291	971.005	970.931	970.830E	970.744E	970.631	---	---	3
4	---	---	971.153E	971.300A	971.288	971.001	970.923	970.828E	970.741A	970.635	---	---	4
5	---	---	971.159E	971.303E	971.286	970.996	970.923	970.826E	970.739	970.639	---	---	5
6	---	---	971.165E	971.303E	971.280	970.993	970.923	970.823E	970.734	970.632	---	---	6
7	---	---	971.176E	971.305E	971.270	970.991	970.919	970.821E	970.728	970.628	---	---	7
8	---	---	971.189E	971.307E	971.265	970.995	970.919	970.819E	970.726	970.624	---	---	8
9	---	---	971.203E	971.308E	971.259	970.998	970.916	970.817E	970.717	970.622	---	---	9
10	---	---	971.216E	971.309A	971.251	971.000	970.911	970.815E	970.714	970.620	---	---	10
11	---	---	971.227E	971.309E	971.243	970.999	970.908	970.813E	970.706	970.619	---	---	11
12	---	---	971.232E	971.310E	971.231	970.998	970.898	970.811E	970.705	970.618	---	---	12
13	---	---	971.237A	971.310E	971.225	970.996	970.894	970.809E	970.706	970.616	---	---	13
14	---	---	971.241E	971.311E	971.219	970.995	970.884	970.806E	970.702	970.616	---	---	14
15	---	---	971.243E	971.312E	971.212	970.993	970.880	970.804E	970.697	970.614	---	---	15
16	---	---	971.245E	971.313E	971.204	970.994	970.875	970.802E	970.691	970.616	---	---	16
17	---	---	971.248E	971.313E	971.195	970.992	970.873	970.800	970.685	970.615	---	---	17
18	---	---	971.251E	971.312E	971.182	970.992	970.873	970.801	970.680	970.613	---	---	18
19	---	971.137A	971.253E	971.312E	971.172	970.987	970.874	970.799	970.677	970.609	---	---	19
20	---	971.139	971.255E	971.311E	971.159	970.989	970.865	970.798	970.669	970.609	---	---	20
21	---	971.141	971.258A	971.309E	971.143	970.990	970.862	970.792	970.663	970.606	---	---	21
22	---	971.139	971.258E	971.308E	971.136	970.990	970.859	970.782	970.660	970.605	---	---	22
23	---	971.140	971.258E	971.306E	971.124	970.988	970.856	970.781	970.656	970.603	---	---	23
24	---	971.139	971.257E	971.304E	971.113	970.983	970.851	970.781	970.653	970.603	---	---	24
25	---	971.139	971.257E	971.303E	971.106	970.983	970.849E	970.782	970.652	970.601	---	---	25
26	---	971.141	971.257E	971.301E	971.102	970.977	970.847E	970.782	970.655A	970.598	---	---	26
27	---	971.141	971.256E	971.299E	971.095	970.969	970.845E	970.777	970.653	970.597	---	---	27
28	---	971.141	971.256A	971.298E	971.090	970.963	970.843E	970.771	970.647	970.596	---	---	28
29	---		971.256E	971.297E	971.069	970.961	970.840E	970.768	970.641	970.586A	---	---	29
30	---		971.261E	971.294E	971.037	970.959	970.838E	970.764E	970.635	970.585E	---	---	30
31	---		971.267E		971.032		970.836E	970.758E		970.585E		---	31
			971.274E										
MEAN	---	---	971.225	971.304	971.189	970.990	970.884	970.801	970.693	970.613	---	---	MEAN
MAX	---	---	971.274	971.313	971.292	971.016	970.948	970.834	970.753	970.639	---	---	MAX
MIN	---	---	971.140	971.279	971.032	970.959	970.836	970.758	970.635	970.585	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 971.313E ON APR 16

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 30 N
LONG 109 30 25 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1939
DRAINAGE AREA, 278 km²

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO. 11AC060

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.012B	0.166B	0.055	0.018	0.117	0.306	0.018	0.013	---	---	1
2	---	---	0.174B	0.228B	0.055	0.006	0.099	0.277	0.014	0.018	---	---	2
3	---	---	0.399B	0.173	0.050	0.003	0.140	0.142	0.013	0.020	---	---	3
4	---	---	0.335B	0.095	0.043	0.003	0.097	0.055	0.012	0.025	---	---	4
5	---	---	0.181B	0.046	0.043	0.009	0.091	0.016	0.011	0.045	---	---	5
6	---	---	0.101B	0.099	0.068A	0.018	0.158	0.007	0.009	0.061	---	---	6
7	---	---	0.103B	0.143	0.058E	0.035	0.180	0.005	0.008	0.065	---	---	7
8	---	---	0.037B	0.136	0.040E	0.094	0.156	0.006	0.007	0.066	---	---	8
9	---	---	0.018B	0.106	0.034E	0.049	0.130	0.012	0.007	0.075	---	---	9
10	---	---	0.031B	0.091	0.031E	0.041	0.092	0.020	0.006	0.109	---	---	10
11	---	---	0.097B	0.103	0.028E	0.036	0.055	0.018	0.006	0.104	---	---	11
12	---	---	0.153B	0.111	0.026E	0.021	0.028	0.014	0.007	0.116	---	---	12
13	---	---	0.222B	0.114	0.024E	0.042	0.004	0.012	0.007	0.104	---	---	13
14	---	---	0.227B	0.104	0.023E	0.164	0.002	0.010	0.007	0.065	---	---	14
15	---	---	0.199B	0.115	0.021E	0.105	0.003	0.010	0.007	0.034	---	---	15
16	---	---	0.152B	0.131	0.020E	0.083	0.022	0.010	0.009	0.027	---	---	16
17	---	---	0.150B	0.118	0.019E	0.127	0.022	0.013	0.010	0.028	---	---	17
18	---	---	0.119B	0.110	0.019E	0.088	0.097	0.190	0.009	0.030	---	---	18
19	---	---	0.084B	0.100	0.018E	0.080	0.145	0.033	0.007	0.031	---	---	19
20	---	0 B	0.125B	0.061	0.080E	0.107	0.216	0.032	0.007	0.027	---	---	20
21	---	0 B	0.076B	0.042	0.070E	0.203	0.149	0.031	0.011	0.025	---	---	21
22	---	0 B	0.046B	0.043	0.030E	0.342	0.098	0.031	0.011	0.027	---	---	22
23	---	0 B	0.069B	0.041	0.015E	0.313	0.039	0.031	0.010	0.023	---	---	23
24	---	0.020B	0.058B	0.040	0.013E	0.258	0.009	0.029	0.010	0.022A	---	---	24
25	---	0.020B	0.047B	0.038	0.874E	0.202	0.015	0.032	0.011	0.022A	---	---	25
26	---	0.010B	0.072B	0.032	0.667E	0.174	0.250	0.042	0.011	0.022E	---	---	26
27	---	0.002B	0.070B	0.039	0.409E	0.152	0.741	0.056	0.011	0.021E	---	---	27
28	---	0.002B	0.061B	0.043	0.351A	0.146	0.763	0.042	0.011	0.021E	---	---	28
29	---		0.087B	0.048	0.336	0.168	0.495	0.033	0.012	0.020E	---	---	29
30	---		0.113B	0.045	0.283	0.150	0.343	0.028	0.013	0.020E	---	---	30
31	---		0.152B		0.048		0.232	0.023		0.020E		---	31
TOTAL	---	---	3.770	2.761	3.851	3.237	4.988	1.566	0.292	1.306	---	---	TO
MEAN	---	---	0.122	0.092	0.124	0.108	0.161	0.051	0.010	0.042	---	---	ME
MAX	---	---	0.399	0.228	0.874	0.342	0.763	0.306	0.018	0.116	---	---	MA
MIN	---	---	0.012	0.032	0.013	0.003	0.002	0.005	0.006	0.013	---	---	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.089
MAXIMUM DAILY, 0.874E ON MAY 25
MINIMUM DAILY, 0.002 ON JUL 14

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 12 N
LONG 109 21 08 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	431
FEB	---	AUG	135
MAR	326	SEP	25.2
APR	239	OCT	113
MAY	333	NOV	---
JUN	280	DEC	---

TOTAL DISCHARGE, 1 880 dam³

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	OB	0.001B	0.813	0.009	0	0	0.082	0	0	---	---	1
2	---	OB	0.022B	3.50	0.008	0	0	0.002	0	0	---	---	2
3	---	OB	0.710B	3.21	0.019	0.372	0	0	0	0	---	---	3
4	---	OB	1.26 B	2.98	0.018	0.479	0	0	0	0	---	---	4
5	---	OB	1.56 B	1.82	0.004	0.547	0	0	0	0	---	---	5
6	---	OB	1.34 B	0.028	0.002	0.577	0	0	0	0	---	---	6
7	---	OB	1.18 B	0.005	0.001	0.592	0	0	0	0	---	---	7
8	---	OB	1.28 B	0.142	0.001	0.589	0	0	0	0	---	---	8
9	---	OB	1.57 B	0.211	0.001	0.602	0	0	0	0	---	---	9
10	---	OB	0.989B	0.064	0.001E	0.611	0	0	0	0	---	---	10
11	---	OB	0.130B	0.004	0.001	0.588	0	0	0	0	---	---	11
12	---	OB	0.150B	0.002	0.001	0.579	0	0	0	0	---	---	12
13	---	OB	0.064B	0.002	0.001E	0.571	0	0	0	0	---	---	13
14	---	OB	0.804B	0.002	0.001	0.541	0	0	0	0	---	---	14
15	---	OB	0.580B	0.002	0.001	0.527	0	0	0	0	---	---	15
16	---	OB	0.563B	0.002	0	0.544	0	0	0	0	---	---	16
17	---	OB	0.537B	0.001	0	0.545	0	0	0	0	---	---	17
18	---	OB	0.481B	0.001	0	0.552	0	0	0	0	---	---	18
19	---	OB	0.539B	0.001	0.001	0.566	0	0	0	0	---	---	19
20	---	OB	0.078B	0	0.001	0.585	0	0	0	0	---	---	20
21	---	OB	0.132B	0	0.001	0.404	0	0	0	0	---	---	21
22	---	OB	0.084B	0	0	0.102	0	0	0	0	---	---	22
23	---	OB	0.030B	0	0	0.119	0	0	0	0	---	---	23
24	---	OB	0.011B	0	0	0.147	0	0	0	0	---	---	24
25	---	OB	0.008B	0	0.006	0.184	0	0	0	0	---	---	25
26	---	OB	0.011B	0	0.004	0.148	0	0	0	0	---	---	26
27	---	OB	0.016B	0.001	0.001	0	0	0	0	0	---	---	27
28	---	OB	0.025	0.001	0.001	0	0	0	0	0	---	---	28
29	---		0.070	0.001	0	0	0	0	0	0	---	---	29
30	---		0.111	0.002	0	0	0	0	0	0	---	---	30
31	---		0.085		0.001		0.009	0		0		---	31
TOTAL	---	0	14.421	12.795	0.085	11.071	0.009	0.084	0	0	---	---	TOTAL
MEAN	---	0	0.465	0.427	0.003	0.369	0	0.003	0	0	---	---	MEAN
MAX	---	0	1.57	3.50	0.019	0.611	0.009	0.082	0	0	---	---	MAX
MIN	---	0	0.001	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.157
MAXIMUM DAILY, 3.50 ON APR 02
MINIMUM DAILY, 0 ON APR 20

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 18 N
LONG 109 37 08 W

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.778
FEB	0	AUG	7.26
MAR	1 250	SEP	0
APR	1 110	OCT	0
MAY	7.34	NOV	---
JUN	957	DEC	---

TOTAL DISCHARGE, 3 330 dam³

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.004	0.001	0	0	0.003	0	0	---	---	1
2	---	---	0.010B	0.005	0.001	0	0	0.002	0	0	---	---	2
3	---	---	0.015B	0.005	0.001	0.002	0	0.002	0	0	---	---	3
4	---	---	0.025B	0.004	0	0.003	0.001	0.002	0	0	---	---	4
5	---	---	0.032B	0.002	0	0.003	0.001	0.001	0	0	---	---	5
6	---	---	0.031B	0.001	0	0.003	0.001	0.001	0	0	---	---	6
7	---	---	0.030B	0.001	0	0.003	0	0.001	0	0	---	---	7
8	---	---	0.026B	0.001	0	0.003	0	0.001	0	0	---	---	8
9	---	---	0.027B	0.001	0	0.003	0	0.001	0	0	---	---	9
10	---	---	0.030B	0.001	0	0.003	0	0.002	0	0	---	---	10
11	---	---	0.015B	0.001	0	0.003	0	0.002	0	0	---	---	11
12	---	---	0.004B	0.001	0	0.003	0	0.002	0	0	---	---	12
13	---	---	0.008B	0.001	0	0.003	0	0.002	0	0	---	---	13
14	---	---	0.015B	0.001	0	0.003	0	0.001	0	0	---	---	14
15	---	---	0.009B	0.001	0	0.003	0	0.001	0	0	---	---	15
16	---	---	0.008B	0.001	0	0.003	0	0.001	0	0	---	---	16
17	---	---	0.005B	0.001	0	0.003	0	0	0	0	---	---	17
18	---	---	0.002B	0.001	0	0.003	0	0.001	0	0	---	---	18
19	---	---	0.002B	0.001	0	0.003	0	0	0	0	---	---	19
20	---	---	0.001B	0.001	0	0.003	0	0	0	0	---	---	20
21	---	---	0.001B	0.001	0	0.003	0	0	0	0	---	---	21
22	---	---	0.014B	0.001	0	0.002	0	0	0	0	---	---	22
23	---	---	0.007B	0.001	0	0.001	0	0	0	0	---	---	23
24	---	---	0.006B	0.001	0	0.001	0	0	0	0	---	---	24
25	---	---	0.005B	0.001	0	0.001	0	0	0	0	---	---	25
26	---	OB	0.005B	0.001	0	0.001	0	0	0	0	---	---	26
27	---	OB	0.005B	0.001	0	0.001	0	0	0	0	---	---	27
28	---	OB	0.005	0.001	0	0	0	0	0	0	---	---	28
29	---		0.005	0.001	0	0	0	0	0	0	---	---	29
30	---		0.005	0.001	0	0	0	0	0	0	---	---	30
31	---		0.004		0		0	0		0		---	31
TOTAL	---	---	0.358	0.045	0.003	0.063	0.003	0.026	0	0	---	---	TOTAL
MEAN	---	---	0.012	0.002	0	0.002	0	0.001	0	0	---	---	MEAN
MAX	---	---	0.032	0.005	0.001	0.003	0.001	0.003	0	0	---	---	MAX
MIN	---	---	0.001	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.032B ON MAR 05
MINIMUM DAILY, 0 ON MAY 04

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 25 N
LONG 109 36 38 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.259
FEB	---	AUG	2.25
MAR	30.9	SEP	0
APR	3.89	OCT	0
MAY	0.259	NOV	---
JUN	5.44	DEC	---

TOTAL DISCHARGE, 43.0 dam³

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.017B	0.226	0.002	1.70	0.077	0.001	0	0	---	---	1
2	---	---	0.010B	1.74	0.008	2.05	0.079	0	0	0	---	---	2
3	---	---	0.003B	0.565	0.019	1.06	0.069	0	0	0	---	---	3
4	---	---	0 B	0.359	0.018	0.006	0.014	0	0	0	---	---	4
5	---	---	0 B	0.248	0.017	0.005	0.005	0	0				5
6	---	---	0 B	0.181	0.024	0.007	0.005	0	0	0	---	---	6
7	---	---	0 B	0.105	1.06	0.008	0.004	0	0	0	---	---	7
8	---	---	0 B	0.010	1.42	0.008	0.003	0	0	0	---	---	8
9	---	---	0.002B	0.009	1.85	0.007	0.004	0	0	0	---	---	9
10	---	---	0.001B	0.008	1.74	0.008	0.025	0	0				10
11	---	---	0.018B	0.007	1.82	0.006	0.024	0	0	0	---	---	11
12	---	---	0.020B	0.007	1.69	0.008	0.022	0	0	0	---	---	12
13	---	---	0.030B	0.005	1.64	0.011	0.023	0	0	0	---	---	13
14	---	---	0.025B	0.005	1.41	0.011	0.025	0	0	0	---	---	14
15	---	---	0.019B	0.004	1.23	0.010	0.030	0	0				15
16	---	---	0.016B	0.003	1.89	0.010	0.029	0	0	0	---	---	16
17	---	---	0.012B	0.003	5.47	0.035	0.030	0	0	0	---	---	17
18	---	---	0.013B	0.003	5.70	0.075	0.030	0	0	0	---	---	18
19	---	---	0.016B	0.003	5.48	0.139	0.032	0	0	0	---	---	19
20	---	0 B	0.001B	0.002	2.68	0.129	0.040	0	0				20
21	---	0 B	0.002B	0.002	2.85	0.126	0.039	0	0	0	---	---	21
22	---	0 B	0.002B	0.001	2.45	0.115	0.037	0	0	0	---	---	22
23	---	0.032B	0.002B	0.001	2.89	0.104	0.026	0	0	0	---	---	23
24	---	0.067B	0.002B	0.001	3.13	0.093	0.003	0	0	0	---	---	24
25	---	0.008B	0.002B	0.001	2.30	0.090	0.002	0	0				25
26	---	0.005B	0.004B	0.001	2.24	0.088	0.002	0	0	0	---	---	26
27	---	0 B	0.005B	0.002	2.88	0.082	0.002	0	0	0	---	---	27
28	---	0 B	0.006B	0.002	2.78	0.079	0.001	0	0	0	---	---	28
29	---		0.005B	0.001	2.51	0.077	0.001	0	0	0	---	---	29
30	---		0.005B	0.003	2.07	0.076	0.001	0	0	0		---	30
31	---		0.013B		1.82		0	0					31
TOTAL	---	---	0.251	3.508	54.088	6.223	0.684	0.001	0	0	---	---	TOTAL
MEAN	---	---	0.008	0.117	1.74	0.207	0.022	0	0	0	---	---	MEAN
MAX	---	---	0.030	1.74	3.13	2.05	0.079	0.001	0	0	---	---	MAX
MIN	---	---	0	0.001	0.002	0.005	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.264
MAXIMUM DAILY, 3.13 ON MAY 24
MINIMUM DAILY, 0B ON MAR 04

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 14 N
LONG 109 35 18 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	59.1
FEB	---	AUG	0.086
MAR	21.7	SEP	0
APR	303	OCT	0
MAY	4 670	NOV	---
JUN	538	DEC	---

TOTAL DISCHARGE, 5 590 dam³

DEAD LAKE PROJECT - SOURIS RIVER CHANNEL - STATION NO. 05NB029

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	538.430E	---	---	---	538.659E	538.962	538.826A	538.852A	538.644A	---	538.290A	---	1
2	---	---	---	---	538.659E	538.972	538.843A	538.841A	538.636A	---	---	---	2
3	---	---	---	538.564A	538.658A	538.971	538.905A	538.839A	538.636A	---	---	---	3
4	---	---	---	---	538.654E	538.962	538.920A	538.821A	538.621A	538.400A	---	---	4
5	---	---	---	---	538.652E	538.979	538.931A	538.811A	538.619A	---	---	---	5
6	---	---	---	---	538.652E	538.958	538.947A	538.802A	538.613A	---	---	---	6
7	---	---	---	---	538.735E	538.953	538.967A	538.791A	538.607A	---	---	---	7
8	---	---	538.338A	---	538.810E	538.956	538.978A	538.784A	538.599A	---	---	---	8
9	---	---	---	---	538.864A	538.946	539.971A	538.770A	538.588A	---	---	---	9
10	---	---	---	---	538.900	538.922	538.971A	538.756A	538.582A	---	---	---	10
11	---	---	---	---	538.932	538.943	538.976A	538.752A	---	---	---	---	11
12	---	---	---	---	538.944	538.928	538.959A	538.744A	---	---	---	---	12
13	---	---	---	---	538.982	538.922	538.949A	538.738A	---	---	---	---	13
14	---	---	---	---	538.992	538.906	538.953A	538.724A	---	---	---	---	14
15	---	---	---	---	539.003	538.895	538.950A	538.703A	---	---	---	---	15
16	---	---	---	---	539.060	538.890	538.945A	538.696A	---	---	---	---	16
17	---	---	---	---	539.013	538.896	538.944A	538.683A	---	---	---	---	17
18	---	---	---	---	538.994	538.889	538.934A	538.680A	---	---	---	---	18
19	---	---	---	---	539.006	538.898	538.930A	538.674A	---	---	---	---	19
20	---	---	---	---	539.016	538.886	538.925A	538.671A	---	---	---	---	20
21	---	---	---	---	539.026	538.877	538.915A	538.665A	---	---	---	---	21
22	---	---	---	---	539.013	538.859	538.906A	538.681A	---	---	---	---	22
23	---	---	---	---	538.988	538.844	538.898A	538.671A	---	---	---	---	23
24	---	---	---	---	538.948	538.849	538.891A	538.674A	---	---	---	---	24
25	---	---	---	---	538.948	538.838	538.879A	538.672A	---	---	---	---	25
26	---	---	---	---	538.967	538.824	538.887A	538.674A	---	---	---	---	26
27	---	---	---	---	538.983	538.831A	538.887A	538.689A	---	---	---	538.208A	27
28	---	---	---	---	538.981	538.832A	538.886A	538.684A	---	---	---	---	28
29	---		---	---	538.960	538.836A	538.877A	538.676A	---	---	---	---	29
30	---		---	538.660E	538.951	538.815A	538.868A	538.669A	538.430E	---	---	---	30
31	---		538.500E		538.957		538.856A	538.660A		538.294E		538.200E	31
MEAN	---	---	---	---	538.900	538.901	538.919	538.727	---	---	---	---	MEAN
MAX	---	---	---	---	539.060	538.979	538.978	538.852	---	---	---	---	MAX
MIN	---	---	---	---	538.652	538.815	538.826	538.660	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 539.060 ON MAY 16
MINIMUM DAILY, 538.200E ON DEC 31
MAXIMUM INSTANTANEOUS,
539.117 AT 14:18 CST ON MAY 16

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 23 N
LONG 103 26 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
5 450 km²

DEAD LAKE RESERVOIR NEAR MIDALE - STATION NO. 05NB022

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	538.730E	---	---	---	---	---	538.859A	538.876A	538.734A	---	538.528A	---	1
2	---	---	---	---	---	---	538.886A	538.869A	538.729A	---	---	---	2
3	---	---	---	538.782A	538.718A	---	538.964A	538.864A	538.728A	---	---	---	3
4	---	---	---	---	---	---	538.957A	538.853A	538.720A	538.588A	---	---	4
5	---	---	---	---	---	---	538.934A	538.846A	538.715A	---	---	---	5
6	---	---	---	---	---	---	538.933A	538.842A	538.711A	---	---	---	6
7	---	---	---	---	---	---	538.951A	538.832A	538.705A	---	---	---	7
8	---	---	538.700A	---	---	---	538.949A	538.826A	538.702A	---	---	---	8
9	---	---	---	---	---	---	538.942A	538.819A	538.698A	---	---	---	9
10	---	---	---	---	---	---	538.943A	538.810A	538.691A	---	---	---	10
11	---	---	---	---	---	---	538.944A	538.806A	538.687A	---	---	---	11
12	---	---	---	---	---	---	538.944A	538.799A	---	---	---	---	12
13	---	---	---	---	---	---	538.941A	538.791A	---	---	---	---	13
14	---	---	---	---	---	---	538.943A	538.784A	---	---	---	---	14
15	---	---	---	---	---	---	538.938A	538.773A	---	---	---	---	15
16	---	---	---	---	---	---	538.930A	538.767A	---	---	---	---	16
17	---	---	---	---	---	---	538.941A	538.761A	---	---	---	---	17
18	---	---	---	---	---	---	538.928A	538.763A	---	---	---	---	18
19	---	---	---	---	---	---	538.922A	538.760A	---	---	---	---	19
20	---	---	---	---	---	---	538.920A	538.756A	---	---	---	---	20
21	---	---	---	---	---	---	538.915A	538.752A	---	---	---	---	21
22	---	---	---	---	---	---	538.911A	538.755A	---	---	---	---	22
23	---	---	---	---	---	---	538.903A	538.752A	---	---	---	---	23
24	---	---	---	---	---	---	538.898A	538.755A	---	---	---	---	24
25	---	---	---	---	---	---	538.892A	538.758A	---	---	---	---	25
26	---	---	---	---	---	---	538.897A	538.759A	---	---	---	---	26
27	---	---	---	---	---	538.850A	538.900A	538.766A	---	---	---	---	27
28	---	---	---	---	---	538.861A	538.903A	538.761A	---	---	---	538.480A	28
29	---		---	---	---	538.860A	538.892A	538.756A	---	---	---	---	29
30	---		---	538.724E	---	538.844A	538.885A	538.750A	538.600E	---	---	---	30
31	---		538.775E		538.904A		538.880A	538.752A		538.530E		538.480E	31
MEAN	---	---	---	---	---	---	538.921	538.791	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	538.964	538.876	---	---	---	---	MAX
MIN	---	---	---	---	---	---	538.859	538.750	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MINIMUM DAILY, 538.480A ON DEC 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 23 N
LONG 103 26 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 5 450 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DELARONDE LAKE NEAR BIG RIVER - STATION NO. 06AE004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	492.594	492.477	492.399	---	---	1
2	---	---	---	---	---	---	---	492.591	492.478	492.423	---	---	2
3	---	---	---	---	---	492.645	---	---	---	492.432	---	---	3
4	---	---	---	---	---	492.641	492.644	492.577	492.453	---	---	---	4
5	---	---	---	---	---	492.651	492.627	492.562	492.468	492.423	---	---	5
6	---	---	---	---	---	---	492.625	492.555	492.471	492.409	---	---	6
7	---	---	---	---	---	492.649	492.635	492.593	492.455	492.382	---	---	7
8	---	---	---	---	---	492.653	---	492.587	492.462	492.372	---	---	8
9	---	---	---	---	---	492.648	492.609	492.556	492.457	492.345	---	---	9
10	---	---	---	---	492.665	492.611	492.627	492.551	492.453	---	---	---	10
11	---	---	---	---	492.660	492.645	492.629	492.547	492.455	---	---	---	11
12	---	---	---	---	492.659	492.631	492.593	---	492.442	492.343	---	---	12
13	---	---	---	---	492.655	492.671	492.563	---	492.457	492.372	---	---	13
14	---	---	---	---	492.659	---	492.626	492.537	492.442	492.391	---	---	14
15	---	---	---	---	492.663	492.620	492.638	492.532	492.443	492.399	---	---	15
16	---	---	---	---	492.663	492.625	---	492.529	492.357	---	492.384	---	16
17	---	---	---	---	492.662	492.630	492.628	492.527	492.412	---	---	---	17
18	---	---	---	---	492.662	492.628	492.604	492.502	492.429	492.379	---	---	18
19	---	---	---	---	492.665	492.650	492.610	492.505	492.419	---	---	---	19
20	---	---	---	---	492.667	492.648	492.612	---	492.412	---	---	---	20
21	---	---	---	---	492.672	---	492.587	492.504	---	---	---	---	21
22	---	---	---	---	492.674	492.626	492.590	492.482	---	---	---	---	22
23	---	---	---	---	492.662	492.585	492.565	492.543	492.413	---	---	---	23
24	---	---	---	---	492.665	492.640	492.600	492.521	492.423	---	---	---	24
25	---	---	---	---	492.652	492.628	492.585	492.510	492.416	---	---	---	25
26	---	---	---	---	492.672	492.632	492.577	492.478	492.437	---	---	---	26
27	---	---	---	---	492.672	---	492.589	492.491	492.412	---	---	---	27
28	---	---	---	---	492.654	492.607	492.662	492.489	492.419	---	---	---	28
29	---		---	---	492.650	492.617	492.597	492.489	---	---	---	---	29
30	---		---	---	492.652	---	492.582	492.468	492.406	---	---	---	30
31	---		---		492.649		492.567	492.572		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 53 33 N
LONG 106 57 16 W
DATA CONTRIBUTED BY - SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA, 1 280 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE - STATION NO. 11AC073

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.100B	0	0	0	0	0	0	0	---	---
2	---	---	0.166B	0	0	0	0	0	0	0	---	---
3	---	---	0.228B	0	0	0	0	0	0	0	---	---
4	---	---	0.434B	0	0	0	0	0	0	0	---	---
5	---	---	0.341	0	0	0	0	0	0	0	---	---
6	---	---	0.116	0	0	0	0	0	0	0	---	---
7	---	---	0.059	0	0	0	0	0	0	0	---	---
8	---	---	0.021	0	0	0	0	0	0	0	---	---
9	---	---	0.006	0	0	0	0	0	0	0	---	---
10	---	---	0	0	0	0	0	0	0	0	---	---
11	---	---	0	0	0	0	0	0	0	0	---	---
12	---	---	0	0	0	0	0	0	0	0	---	---
13	---	---	0	0	0	0	0	0	0	0	---	---
14	---	---	0	0	0	0	0	0	0	0	---	---
15	---	---	0	0	0	0	0	0	0	0	---	---
16	---	---	0	0	0	0	0	0	0	0	---	---
17	---	---	0	0	0	0	0	0	0	0	---	---
18	---	---	0	0	0	0	0	0	0	0	---	---
19	---	---	0	0	0	0	0	0	0	0	---	---
20	---	---	0	0	0	0	0	0	0	0	---	---
21	---	---	0	0	0	0	0	0	0	0	---	---
22	---	---	0	0	0	0	0	0	0	0	---	---
23	---	---	0	0	0	0	0	0	0	0	---	---
24	---	---	0	0	0	0	0	0	0	0	---	---
25	---	---	0	0	0	0	0	0	0	0	---	---
26	---	---	0	0	0	0	0	0	0	0	---	---
27	---	0 B	0	0	0	0	0	0	0	0	---	---
28	---	0.025B	0	0	0	0	0	0	0	0	---	---
29	---		0	0	0	0	0	0	0	0	---	---
30	---		0	0	0		0	0		0		---
31	---		0		0		0					
TOTAL	---	---	1.471	0	0	0	0	0	0	0	---	---
MEAN	---	---	0.048	0	0	0	0	0	0	0	---	---
MAX	---	---	0.434	0	0	0	0	0	0	0	---	---
MIN	---	---	0	0	0	0	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.434B ON MAR 04
MINIMUM DAILY, 0 ON MAR 10
MAXIMUM INSTANTANEOUS,
0.762B AT 13:02 CST ON MAR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 42 N
LONG 107 40 55 W
DRAINAGE AREA, 118 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	127	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 127 dam³

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.513B	0.005	0.007	0	0	0	0	0	---	---
2	---	---	2.15 B	0.005	0.006	0	0	0	0	0	---	---
3	---	---	3.62 B	0.005	0.005	0	0	0	0	0	---	---
4	---	---	2.98 B	0.004	0.004	0	0	0	0	0	---	---
5	---	---	2.50 B	0.002	0.004	0	0	0	0	0	---	---
6	---	---	1.81 B	0.001	0.002	0	0	0	0	0	---	---
7	---	---	0.896	0.001E	0.003	0	0	0	0	0	---	---
8	---	---	0.566	0.001E	0.004	0	0	0	0	0	---	---
9	---	---	0.449	0.001	0.007	0	0	0	0	0	---	---
10	---	---	0.231	0.004	0.005	0	0	0	0	0	---	---
11	---	---	0.179	0.004	0.004	0	0	0	0	0	---	---
12	---	---	0.094	0.004	0.003	0	0	0	0	0	---	---
13	---	---	0.075	0.003	0.003	0	0	0	0	0	---	---
14	---	---	0.063	0.003	0.001	0	0	0	0	0	---	---
15	---	---	0.036	0.004	0.007	0	0	0	0	0	---	---
16	---	---	0.026	0.003	0.008	0	0	0	0	0	---	---
17	---	---	0.020	0.003	0.006	0	0	0	0	0	---	---
18	---	---	0.016	0.003	0.003	0	0	0	0	0	---	---
19	---	---	0.013	0.003	0.005	0	0	0	0	0	---	---
20	---	---	0.013	0.004	0.005	0	0	0	0	0	---	---
21	---	---	0.012	0.005	0.005	0	0	0	0	0	---	---
22	---	---	0.011	0.006	0.004	0	0	0	0	0	---	---
23	---	---	0.008	0.006	0.003	0	0	0	0	0	---	---
24	---	---	0.007	0.008	0.003	0	0	0	0	0	---	---
25	---	---	0.006	0.008	0.003	0	0	0	0	0	---	---
26	---	---	0.007	0.006	0.003	0	0	0	0	0	---	---
27	---	---	0.006	0.007	0.005	0	0	0	0	0	---	---
28	---	0.124B	0.005	0.006	0.003	0	0	0	0	0	---	---
29	---		0.005	0.006	0.001	0	0	0	0	0	---	---
30	---		0.005	0.006	0		0	0		0		---
31	---		0.005		0		0					
TOTAL	---	---	16.327	0.127	0.122	0	0	0	0	0	---	---
MEAN	---	---	0.527	0.004	0.004	0	0	0	0	0	---	---
MAX	---	---	3.62	0.008	0.008	0	0	0	0	0	---	---
MIN	---	---	0.005	0.001	0	0	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.068
MAXIMUM DAILY, 3.62B ON MAR 03
MINIMUM DAILY, 0 ON MAY 30
MAXIMUM INSTANTANEOUS,
4.27B AT 07:02 CST ON MAR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 26 N
LONG 107 42 12 W
DRAINAGE AREA, 494 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 610	SEP	0
APR	11.0	OCT	0
MAY	10.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 430 da

DESCHAMBAULT LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	324.998	324.959	324.875	324.759	324.635	---	---	1
2	---	---	---	---	---	325.003	324.959	324.875	324.759	324.632	---	---	2
3	---	---	---	---	---	325.003	324.957	324.870	324.757	324.632	---	---	3
4	---	---	---	---	---	325.006	324.947	324.870	324.750	324.630	---	---	4
5	---	---	---	---	---	325.008	324.947	324.863	324.742	324.630	---	---	5
6	---	---	---	---	---	325.028	324.941	324.861	324.733	324.630	---	---	6
7	---	---	---	---	---	325.028	324.939	324.858	324.732	324.630	---	---	7
8	---	---	---	---	---	325.036	324.939	324.857	324.731	324.630	---	---	8
9	---	---	---	---	---	325.038	324.937	324.850	324.730	324.629	---	---	9
10	---	---	---	---	---	325.041	324.930	324.850	324.718	324.627	---	---	10
11	---	---	---	---	---	325.043	324.930	324.847	324.712	324.627	---	---	11
12	---	---	---	---	---	325.043	324.928	324.842	324.708	---	---	---	12
13	---	---	---	---	---	325.039	324.925	324.840	324.702	---	---	---	13
14	---	---	---	---	---	325.036	324.924	324.850	324.696	---	---	---	14
15	---	---	---	---	---	325.029	324.923	324.831	324.689	---	---	---	15
16	---	---	---	---	---	325.024	324.923	324.827	324.685	---	---	---	16
17	---	---	---	---	---	325.017	324.918	324.827	324.681	---	---	---	17
18	---	---	---	---	---	325.010	324.911	324.823	324.673	---	---	---	18
19	---	---	---	---	---	325.013	324.905	324.819	324.658	---	---	---	19
20	---	---	---	---	---	325.010	324.902	324.817	324.638	---	---	---	20
21	---	---	---	---	---	325.006	324.898	324.809	324.638	---	---	---	21
22	---	---	---	---	---	325.001	324.898	324.805	324.637	---	---	---	22
23	---	---	---	---	---	324.998	324.892	324.799	324.637	324.619	---	---	23
24	---	---	---	---	---	324.997	324.889	324.779	324.637	---	---	---	24
25	---	---	---	---	---	324.991	324.886	324.774	324.637	---	---	---	25
26	---	---	---	---	---	324.987	324.884	324.771	324.636	---	---	---	26
27	---	---	---	---	---	324.980	324.880	324.761	324.635	---	---	---	27
28	---	---	---	---	---	324.974	324.879	324.759	324.635	---	---	---	28
29	---		---	---	324.988	324.968	324.877	324.757	324.635	---	---	---	29
30	---		---	---	---	324.959	324.877	324.757	324.635	---	---	---	30
31	---		---		324.998		324.875	324.759		---		---	31
MEAN	---	---	---	---	---	325.011	324.915	324.822	324.687	---	---	---	MEAN
MAX	---	---	---	---	---	325.043	324.959	324.875	324.759	---	---	---	MAX
MIN	---	---	---	---	---	324.959	324.875	324.757	324.635	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 325.043 ON JUN 11

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 40 00 N
LONG 103 24 20 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
8 410 km²

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.60B	7.78B	7.33B	7.05	16.7	9.02	6.45	6.88	6.40	8.33	8.01	8.01	1
2	8.57B	7.76B	7.32B	7.14	16.8	8.84	6.46	6.92	6.49	8.65	8.60	7.78B	2
3	8.55B	7.74B	7.30B	7.23	17.0	8.54	6.48	6.88	6.57	9.04	9.10	7.89B	3
4	8.53B	7.72B	7.29B	7.27	17.3	8.36	6.41	6.77	6.63	9.08	9.09	7.90B	4
5	8.50B	7.70B	7.28B	7.40	17.4	8.32	6.53	6.77	6.67	9.06	8.42	7.97B	5
6	8.48B	7.68B	7.26B	7.56	17.0	8.32	6.88	6.72	6.70	9.02	7.72	7.96B	6
7	8.46B	7.66B	7.25B	7.82	17.8	8.01	7.10	6.76	6.87	9.05	7.68	8.33B	7
8	8.44B	7.64B	7.23B	7.99	17.5	7.89	7.10	6.44	6.82	9.04	8.05B	8.48B	8
9	8.42B	7.62B	7.22B	8.09	18.2	7.50	6.83	6.38	6.85	9.17	8.20B	8.10B	9
10	8.40B	7.60B	7.20B	8.19	18.2	7.36	6.80	6.35	6.91	9.29	8.10B	7.92B	10
11	8.37B	7.59B	7.19B	8.29	17.5	7.35	6.74	6.38	6.99	9.21	8.06	7.83B	11
12	8.34B	7.58B	7.17B	8.36	17.4	7.39	6.85	6.41	7.03	9.10	8.05	7.75B	12
13	8.32B	7.57B	7.16B	8.54	16.8	7.43	6.97	6.48	7.16	9.23	8.29	7.59B	13
14	8.29B	7.56B	7.15B	8.73	16.0	7.27	6.94	6.47	7.28	9.28	8.35	7.59B	14
15	8.26B	7.55B	7.14B	8.74	15.7	7.22	6.67	6.45	7.30	9.28	8.39	7.59B	15
16	8.23B	7.54B	7.13B	8.64	15.0	7.23	6.63	6.37	7.41	9.20	8.34	7.47B	16
17	8.20B	7.53B	7.11B	8.58	14.8	7.35	6.62	6.28	7.63	9.06	8.45	7.42B	17
18	8.17B	7.52B	7.10B	9.14	14.6	7.50	6.74	6.29	7.65	8.95	8.44	7.53B	18
19	8.14B	7.51B	7.08B	9.99	14.1	7.42	6.88	6.31	7.63	9.14	8.42	7.52B	19
20	8.10B	7.50B	7.06B	10.8	13.9	7.33	6.93	6.34	7.76	9.41	8.30	7.53B	20
21	8.07B	7.48B	7.04B	12.2	13.7	7.28	7.00	6.41	7.90	8.64	8.39	7.43B	21
22	8.03B	7.46B	7.02B	14.5	13.7	7.23	6.92	6.53	7.90	8.87	9.01	7.47B	22
23	8.00B	7.44B	7.00B	15.0	13.1	7.11	7.03	6.49	8.13	9.09	9.01B	7.42B	23
24	7.98B	7.42B	6.98B	14.6	13.0	7.14	7.07	6.24	8.28	9.07	8.49	7.32B	24
25	7.95B	7.40B	6.95B	14.6	12.9	7.01	6.93	6.18	8.51	9.37	8.16	7.24B	25
26	7.93B	7.38B	6.93B	15.0	11.8	6.88	6.84	6.13	8.54	9.73	8.08	7.29B	26
27	7.90B	7.36B	6.90	15.0	10.6	6.71	6.88	6.16	8.48	9.29	8.08	7.21B	27
28	7.88B	7.35B	6.94	15.3	10.6	6.56	6.88	6.23	8.41	9.02	8.05	7.31B	28
29	7.85B		7.06	16.0	9.87	6.45	6.77	6.30	8.37	8.76	8.05	7.28B	29
30	7.82B		7.05	16.6	9.14	6.31	6.76	6.45	8.43	7.87	8.09	7.29B	30
31	7.80B		7.03		9.07		6.75	6.38		7.58		7.33B	31
TOTAL	254.58	211.64	220.87	314.35	457.18	224.33	210.84	199.95	223.70	278.88	249.47	236.75	TOTAL
MEAN	8.21	7.56	7.12	10.5	14.7	7.48	6.80	6.45	7.46	9.00	8.32	7.64	MEAN
MAX	8.60	7.78	7.33	16.6	18.2	9.02	7.10	6.92	8.54	9.73	9.10	8.48	MAX
MIN	7.80	7.35	6.90	7.05	9.07	6.31	6.41	6.13	6.40	7.58	7.68	7.21	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.45
MAXIMUM DAILY, 18.2 ON MAY 09
MINIMUM DAILY, 6.13 ON AUG 26
MAXIMUM INSTANTANEOUS,
18.8 AT 01:39 CST ON MAY 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 07 23 N
LONG 109 13 38 W
DRAINAGE AREA, 1 690 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	22 000	JUL	18 200
FEB	18 300	AUG	17 300
MAR	19 100	SEP	19 300
APR	27 200	OCT	24 100
MAY	39 500	NOV	21 600
JUN	19 400	DEC	20 500

TOTAL DISCHARGE, 267 000 dam³

DILLON RIVER BELOW DILLON LAKE - STATION NO. 05BA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	3.51B	1.07 B	1.43B	2.09	25.1	19.8	6.63	4.09	2.06	0.610	3.01	2.05 B	1
2	3.08B	1.06 B	1.35B	2.24	26.6	18.3	6.25	4.30	2.14	0.838	3.09	1.97 B	1
3	2.88B	1.23 B	1.43B	2.38	28.0	16.9	6.21	3.81	2.16	1.92	3.04	2.03 B	1
4	2.97B	1.50 B	1.44B	2.52	29.3	15.7	6.55	3.71	2.05	1.52	2.84B	1.87 B	1
5	3.03B	1.62 B	1.50B	2.60	30.3	15.2	6.29	3.49	2.04	1.29	2.70B	1.63 B	1
6	3.64B	1.75 B	1.53B	2.82	30.9	13.9	6.07	3.25	1.89	1.28	2.91B	1.77 B	1
7	3.24B	1.63 B	1.59B	3.01	32.3	12.9	5.27	3.76	2.36	1.14	2.86B	1.73 B	1
8	3.29B	1.44 B	1.64B	3.16	33.3	12.2	6.07	3.47	1.87	1.09	2.92B	1.48 B	1
9	3.10B	1.42 B	1.67B	3.42	33.9	10.8	5.81	3.06	1.68	1.31	2.71B	1.31 B	1
10	3.16B	1.37 B	1.59B	3.56	35.2	10.3	6.22	2.94	1.57	2.42	2.52B	1.36 B	1
11	2.76B	1.44 B	1.71B	3.69	35.4	10.3	6.02	2.95	1.52	2.49	2.57B	1.41 B	1
12	2.90B	1.45 B	1.58B	3.96	35.8	10.2	5.74	2.91	1.44	2.58	2.52B	1.45 B	1
13	2.97B	1.08 B	1.61B	4.06	35.9	9.92	6.54	3.39	1.67	2.18	2.63B	1.47 B	1
14	3.16B	1.15 B	1.50B	4.19	36.0	8.93	7.00	3.19	1.55	2.57	2.89B	1.64 B	1
15	3.10B	1.10 B	1.47B	4.54	36.1	8.42	6.45	3.07	1.33	2.41	2.91B	1.61 B	1
16	2.92B	0.965B	1.58B	4.64	35.6	8.16	5.40	2.95	1.07	2.37	2.68B	1.59 B	1
17	2.78B	0.914B	1.84B	4.66	35.2	8.38	5.59	2.86	1.91	2.20	2.53B	1.47 B	1
18	2.76B	1.05 B	1.86B	4.94	34.7	8.16	5.46	2.80	1.50	2.16	2.49B	1.44 B	1
19	2.77B	1.13 B	1.73B	5.13	34.1	7.99	5.14	2.90	1.17	2.48	2.46B	1.24 B	2
20	2.91B	1.57 B	1.62B	5.43	32.9	7.72	4.88	2.89	1.41	2.98	2.29B	1.22 B	2
21	3.06B	1.71 B	1.75B	5.89	32.4	7.52	4.66	2.75	1.16	2.38	2.13B	1.33 B	2
22	2.81B	1.36 B	1.64B	6.78	31.6	7.14	4.50	2.81	0.954	3.03	1.94B	1.46 B	2
23	3.13B	1.56 B	1.73B	8.03	30.8	6.80	4.31	3.24	1.00	3.17	1.82B	1.28 B	2
24	2.76B	1.24 B	1.68B	9.31	29.0	7.36	4.33	2.89	1.27	2.92	1.84B	1.26 B	2
25	2.56B	1.02 B	1.64B	11.7	27.9	7.16	4.04	2.45	1.22	2.99	1.77B	1.18 B	2
26	2.20B	1.16 B	1.60B	14.8	27.0	6.84	3.99	2.27	1.36	3.22	1.53B	1.40 B	2
27	2.26B	1.27 B	1.68B	17.1	25.7	6.99	4.38	2.26	0.856	2.94	1.76B	1.47 B	2
28	2.29B	1.43 B	1.74B	19.6	24.2	6.83	5.20	2.24	0.688	3.17	1.74B	1.18 B	2
29	2.04B		1.76	22.9	23.2	6.64	4.29	2.15	0.644	3.18	1.86B	1.01 B	1
30	1.49B		1.89	23.6	21.8	6.30	4.16	2.03	0.850	2.86	1.92B	0.944B	1
31	1.23B		2.07		21.3		3.93	2.36		2.96		0.918B	1
TOTAL	86.76	36.709	50.85	211.75	950.5	303.76	168.38	93.24	44.192	69.658	72.88	45.172	TO
MEAN	2.80	1.31	1.64	7.06	30.7	10.1	5.43	3.01	1.47	2.25	2.43	1.46	M
MAX	3.64	1.75	2.07	23.6	36.1	19.8	7.00	4.30	2.36	3.22	3.09	2.05	M
MIN	1.23	0.914	1.35	2.09	21.3	6.30	3.93	2.03	0.644	0.610	1.53	0.918	M

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.85
MAXIMUM DAILY, 36.1 ON MAY 15
MINIMUM DAILY, 0.610 ON OCT 01
MAXIMUM INSTANTANEOUS,
37.9 AT 14:18 CST ON MAY 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 42 35 N
LONG 109 23 08 W
DRAINAGE AREA, 2 330 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 500	JUL	14 500
FEB	3 170	AUG	8 060
MAR	4 390	SEP	3 820
APR	18 300	OCT	6 020
MAY	82 100	NOV	6 300
JUN	26 200	DEC	3 900

TOTAL DISCHARGE, 184 000 dam³

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	14.7 B	0.225	0.016	0.004	0	0	0	---	---
2	---	---	0 B	14.1 B	0.223	0.013	0.002	0	0	0	---	---
3	---	---	0 B	21.1 B	0.254	0.006	0.042	0	0	0	---	---
4	---	---	0 B	25.8 B	0.392	0.005	0.081	0	0	0	---	---
5	---	---	0 B	19.0 B	0.604	0.009	0.206	0	0	0	---	---
6	---	---	0 B	12.9 B	0.502	0.004	0.275	0	0	0	---	---
7	---	---	0 B	9.39	0.357	0.005	0.176	0	0	0	---	---
8	---	---	0 B	6.88	0.318	1.31	0.130	0	0	0	---	---
9	---	---	0 B	6.05	0.298	1.34	0.105	0	0	0	---	---
10	---	---	0 B	4.55	0.315	0.712	0.075	0	0	0	---	---
11	---	---	0 B	3.15	0.288	0.439	0.059	0	0	0	---	---
12	---	---	0 B	2.48	0.220	0.240	0.047	0	0	0	---	---
13	---	---	0 B	2.23	0.193	0.180	0.040	0	0	0	---	---
14	---	---	0 B	1.95	0.182	0.119	0.033	0	0	0	---	---
15	---	---	0 B	1.64	0.128	0.085	0.031	0	0	0	---	---
16	---	---	0 B	1.27	0.206	0.064	0.030	0	0	0	---	---
17	---	---	0 B	0.986	0.353	0.057	0.025	0	0	0	---	---
18	---	---	0 B	0.780	0.255	0.045	0.022	0	0	0.004	---	---
19	---	---	0 B	0.864	0.177	0.014	0.017	0	0	0.105	---	---
20	---	---	0 B	1.27	0.133	0.050	0.014					
21	---	---	0 B	1.16	0.112	0.026	0.014	0	0	0.103	---	---
22	---	---	0 B	1.20	0.091	0.019	0.012	0	0	0.092	---	---
23	---	---	0 B	1.13	0.077	0.013	0.011	0	0	0.087	---	---
24	---	---	0 B	1.11	0.057	0.009	0.008	0	0	0.074	---	---
25	---	---	0 B	0.793	0.050	0.003	0.001	0	0	0.071	---	---
26	---	---	0 B	0.568	0.043	0.002	0	0	0	0.059	---	---
27	---	---	0 B	0.383	0.036	0.005	0	0	0	0.046	---	---
28	---	---	0 B	0.337	0.030	0.010	0	0	0	0.035	---	---
29	---	---	0 B	0.331	0.028	0.016	0	0	0	0.024	---	---
30	---	---	2.59B	0.251	0.027	0.008	0	0	0	0.015	---	---
31	---	---	9.59B		0.022		0	0		0.009		
TOTAL	---	---	12.18	158.353	6.196	4.824	1.460	0	0	0.724	---	---
MEAN	---	---	0.39	5.28	0.200	0.161	0.047	0	0	0.023	---	---
MAX	---	---	9.59	25.8	0.604	1.34	0.275	0	0	0.105	---	---
MIN	---	---	0	0.251	0.022	0.002	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.750
MAXIMUM DAILY, 25.8B ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
27.3B AT 20:44 CST ON APR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 15 N
LONG 104 04 55 W
DRAINAGE AREA, 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	126
FEB	---	AUG	0
MAR	1 050	SEP	0
APR	13 700	OCT	62.5
MAY	535	NOV	---
JUN	417	DEC	---

TOTAL DISCHARGE, 15 900 dam³

DORE LAKE AT DORE LAKE - STATION NO. 05AG003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	28.355	---	28.161	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	28.353	---	---	---	---	3
4	---	---	---	---	---	28.373	28.396	---	28.245	28.156	---	---	4
5	---	---	---	---	---	28.370	---	---	28.249	---	---	---	5
6	---	---	---	---	---	28.363	---	---	28.247	---	---	---	6
7	---	---	---	---	---	28.365	---	28.345	---	---	---	---	7
8	---	---	---	---	---	28.365	---	28.341	---	---	---	---	8
9	---	---	---	---	---	---	28.394	28.331	---	28.128	---	---	9
10	---	---	---	---	---	---	28.394	---	28.221	---	---	---	10
11	---	---	---	---	---	---	28.392	---	28.232	---	---	---	11
12	---	---	---	---	---	28.391	28.376	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	28.212	---	---	---	13
14	---	---	---	---	---	28.385	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	28.315	---	---	---	---	15
16	---	---	---	---	---	---	28.374	---	---	28.149	---	---	16
17	---	---	---	---	---	---	28.362	---	28.160	---	---	---	17
18	---	---	---	---	---	28.359	28.358	---	---	28.111	---	---	18
19	---	---	---	---	---	28.381	28.356	---	---	28.114	---	---	19
20	---	---	---	---	---	28.373	28.356	---	28.210	---	---	---	20
21	---	---	---	---	---	28.381	---	---	28.162	---	---	---	21
22	---	---	---	---	---	28.383	---	---	---	---	---	---	22
23	---	---	---	---	---	---	28.348	28.294	---	28.065	---	---	23
24	---	---	---	---	---	---	28.360	28.288	---	---	---	---	24
25	---	---	---	---	---	28.382	28.366	---	---	---	---	---	25
26	---	---	---	---	---	28.342	28.352	---	---	---	---	---	26
27	---	---	---	---	---	28.374	---	28.256	28.163	---	---	---	27
28	---	---	---	---	---	---	---	28.254	---	---	---	---	28
29	---		---	---	---	---	---	28.254	---	---	---	---	29
30	---		---	---	---	---	28.347	28.258	---	28.067	---	---	30
31	---		---		---		28.357	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 37 43 N
LONG 107 23 41 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
2 500 km²

DORE RIVER NEAR THE MOUTH - STATION NO. 06AG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.522B	0.995B	1.56B	1.81B	3.10E	6.29	2.52	1.90	0.845	0.771	0.419B	0.288B	1
2	0.514B	1.03 B	1.46B	2.58B	3.90E	6.25	2.46	1.82	0.926	0.786	0.455B	0.287B	2
3	0.504B	1.06 B	1.42B	2.20B	4.50E	6.07	2.90	1.77	0.957	0.818	0.406B	0.282B	3
4	0.441B	1.08 B	1.62B	1.36B	5.50E	5.56	3.42	1.70	0.936	0.970	0.400B	0.308B	4
5	0.452B	1.07 B	1.98B	1.37B	6.00E	5.38	6.25	1.67	0.882	0.908	0.469B	0.324B	5
6	0.468B	1.06 B	2.26B	1.65B	6.70E	5.00	5.29	1.56	0.871	0.779	0.397B	0.353B	6
7	0.563B	1.03 B	2.27B	1.80B	7.10E	4.81	4.71	1.47	0.805	0.771	0.303B	0.384B	7
8	0.661B	0.995B	2.22B	1.73B	7.50E	4.64	4.45	1.46	0.806	0.780	0.319B	0.382B	8
9	0.752B	0.960B	2.10B	1.21B	7.90E	4.41	4.14	1.37	0.812	0.792	0.315B	0.361B	9
10	0.858B	0.920B	2.00B	1.15B	8.40E	4.33	3.79	1.32	0.764	0.804	0.318B	0.350B	10
11	0.880B	0.890B	1.92B	1.37B	8.70E	4.42	3.66	1.30	0.749	0.824	0.294B	0.341B	11
12	0.923B	0.860B	1.90B	1.76B	9.00E	4.85	3.48	1.30	0.801	0.841	0.304B	0.323B	12
13	0.958B	0.820B	2.00B	1.95B	9.20E	4.60	3.29	1.31	0.843	0.831	0.367B	0.346B	13
14	0.972B	0.790B	2.60B	2.32B	9.30E	4.58	2.94	1.28	0.876	0.856	0.408B	0.350B	14
15	0.915B	0.780B	3.42B	1.76B	9.35E	4.15	2.75	1.18	0.907	0.880	0.433B	0.346B	15
16	0.914B	0.800B	3.38B	1.83B	9.40E	3.72	2.55	1.14	0.847	0.888	0.494B	0.339B	16
17	0.962B	0.850B	3.12B	1.11B	9.40E	3.52	2.39	1.14	0.846	0.866B	0.485B	0.320B	17
18	1.01 B	0.920B	3.14B	4.35B	9.35E	3.51	2.34	1.11	0.842	0.736B	0.400B	0.309B	18
19	1.08 B	0.980B	3.19B	3.39B	9.30E	3.56	2.23	1.08	0.813	0.764B	0.418B	0.305B	19
20	1.14 B	1.03 B	2.82B	3.33B	9.20E	3.51	2.11	1.08	0.786	0.743B	0.328B	0.294B	20
21	1.17 B	1.02 B	2.76B	3.65B	9.10E	3.40	2.03	1.03	0.817	0.781B	0.304B	0.275B	21
22	1.21 B	0.970B	1.81B	4.86B	9.00E	3.25	1.94	1.03	0.844	0.682B	0.299B	0.257B	22
23	1.20 B	0.950B	1.48B	4.55B	8.80E	3.14	1.96	0.986	0.842	0.687B	0.297B	0.260B	23
24	1.20 B	0.950B	2.23B	4.33	8.60E	2.99	1.97	0.973	0.830	0.686B	0.312B	0.266B	24
25	1.17 B	0.990B	1.96B	3.89	8.40E	2.82	1.80	0.950	0.840	0.581B	0.283B	0.275B	25
26	1.15 B	1.10 B	1.95B	2.03	8.20E	2.65	1.74	0.905	0.788	0.609B	0.278B	0.280B	26
27	1.11 B	1.28 B	2.49B	1.44	7.95E	2.65	1.79	0.894	0.697	0.532B	0.317B	0.278B	27
28	1.05 B	1.48 B	2.84B	1.69	7.74A	2.71	1.99	0.884	0.687	0.485B	0.312B	0.272B	28
29	1.02 B		3.96B	1.80E	7.30	2.59	2.12	0.883	0.708	0.487B	0.310B	0.273B	29
30	0.965B		2.29B	2.10E	6.84	2.44	2.08	0.839	0.738	0.512B	0.302B	0.269B	30
31	0.960B		2.54B		6.52		1.97	0.813		0.477B		0.243B	31
TOTAL	27.694	27.660	73.69	72.37	241.25	121.80	91.06	38.147	24.707	22.929	10.745	9.540	TOTAL
MEAN	0.893	0.988	2.38	2.41	7.78	4.06	2.94	1.23	0.824	0.740	0.358	0.308	MEAN
MAX	1.21	1.48	3.96	4.86	9.40	6.29	6.25	1.90	0.957	0.970	0.494	0.384	MAX
MIN	0.441	0.780	1.42	1.15	3.10	2.44	1.74	0.813	0.687	0.477	0.278	0.243	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.09
MAXIMUM DAILY, 9.40E ON MAY 16
MINIMUM DAILY, 0.243B ON DEC 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 49 N
LONG 107 44 37 W
DRAINAGE AREA, 2 960 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 390	JUL	7 870
FEB	2 390	AUG	3 300
MAR	6 370	SEP	2 130
APR	6 250	OCT	1 980
MAY	20 800	NOV	926
JUN	10 500	DEC	824

TOTAL DISCHARGE, 65 700 dam³

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	8.00B	7.15B	6.96B	5.76	16.4A	10.8	9.98	8.52	6.61	6.47	5.62B	5.92B	1
2	7.74B	7.13B	6.66B	5.68	16.0	10.6	9.85	8.22	6.60	6.32	6.04B	5.81B	2
3	7.73B	7.10B	6.67B	5.86	15.9	10.4	9.55	8.08	6.62	6.47	6.28B	5.74B	3
4	7.67B	7.10B	6.68B	5.87	15.7	10.2	9.49	7.98	6.61	6.58	6.31B	5.79B	4
5	7.60B	7.12B	6.65B	5.89	15.7	9.93	9.36	7.89	6.58	6.64	6.51B	5.82B	5
6	7.72B	7.15B	6.76B	5.97	15.7	9.68	9.35	7.74	6.46	6.75	6.16B	5.84B	6
7	7.68B	7.06B	6.67B	6.05	15.8	9.55	9.23	7.38	6.47	6.82	5.89B	5.81B	7
8	7.74B	7.02B	6.40B	6.13	16.2	9.23	9.03	7.31	6.50	6.79	6.41B	5.83B	8
9	7.69B	6.98B	6.60B	6.09	16.5	9.12	8.89	7.25	6.50	6.83	6.56B	5.78B	9
10	7.56B	6.97B	6.46B	5.89	16.8	9.01	8.76	7.17	6.38	6.88	6.23B	5.77B	10
11	7.44B	6.96B	6.54B	5.80	16.8	9.10	8.59	7.12	6.38	6.93	6.06B	5.73B	11
12	7.28B	6.95B	6.53B	5.89	16.6	9.56	8.48	7.09	6.48	6.78	6.15B	5.80B	12
13	7.26B	6.88B	6.42B	5.80	16.3	10.1	8.18	7.14	6.57	6.83	6.57B	5.83B	13
14	7.26B	6.85B	6.38B	5.69	16.1	10.7	8.01A	7.05	6.75	7.11	6.57B	5.85B	14
15	7.22B	6.81B	6.34B	5.74	15.6	11.3	8.43A	6.96	6.85	7.18	6.45B	5.83B	15
16	7.14B	6.78B	6.40B	5.68	15.2	11.8	8.70A	6.87	6.91	7.20	6.31B	5.83B	16
17	7.14B	6.78B	6.44B	5.68	14.8	12.3	9.02A	6.76	6.81	7.11	6.19B	5.97B	17
18	7.14B	6.78B	6.37B	5.94	14.4	12.2	9.45E	6.57	6.89	6.95	6.30B	5.89B	18
19	7.14B	6.76B	6.37B	6.29	14.2	12.1	10.0 A	6.49	6.72	7.00	6.18B	5.81B	19
20	7.16B	6.87B	6.37B	6.66	14.1	12.0	10.6 A	6.35	6.74	7.15	6.10B	5.67B	20
21	7.29B	6.69B	6.32B	7.43	14.1	11.7	10.8	6.19	6.71	7.09	6.13B	5.59B	21
22	7.19B	6.67B	6.38B	8.72	14.2	11.5	10.8	6.17	6.70	6.97	6.07B	5.63B	22
23	7.23B	6.68B	6.24B	10.2	14.1	11.3	10.8	6.39	6.69	6.97	6.11B	5.67B	23
24	7.17B	6.65B	6.29B	12.3	14.1	11.0	10.5	6.41	6.75	6.96	6.04B	5.56B	24
25	7.23B	6.75B	6.24B	14.2 A	13.9	10.8	10.2	6.63	6.86	7.05	6.00B	5.35B	25
26	7.29B	6.72B	6.25B	15.8 A	13.7	10.5	10.0	6.77	6.76	7.05	5.98B	5.44B	26
27	7.20B	6.69B	6.23B	17.0 A	13.2	10.3	9.71	6.84	6.72	6.86	5.99B	5.51B	27
28	7.20B	6.92B	6.17B	17.6 A	12.7	10.1	9.28	6.85	6.62	6.26	5.94B	5.52B	28
29	7.15B		6.01	17.5	12.3	10.0	9.07	6.86	6.48	6.01	6.09B	5.54B	29
30	7.14B		5.88	16.9	11.8	10.0	8.88	6.79	6.51	5.59	6.04B	5.54B	30
31	7.10B		5.84		11.4		8.81	6.67		5.32		5.57B	31
TOTAL	228.60	192.97	198.52	256.01	460.3	316.88	291.80	218.51	199.23	208.92	185.28	177.24	TO
MEAN	7.37	6.89	6.40	8.53	14.8	10.6	9.41	7.05	6.64	6.74	6.18	5.72	ME
MAX	8.00	7.15	6.96	17.6	16.8	12.3	10.8	8.52	6.91	7.20	6.57	5.97	MA
MIN	7.10	6.65	5.84	5.68	11.4	9.01	8.01	6.17	6.38	5.32	5.62	5.35	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.04
MAXIMUM DAILY, 17.6A ON APR 28
MINIMUM DAILY, 5.32 ON OCT 31
MAXIMUM INSTANTANEOUS,
17.8A AT 21:55 CST ON APR 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 19 20 N
LONG 109 47 10 W
DRAINAGE AREA, 1 690 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	19 800	JUL	25 200
FEB	16 700	AUG	18 900
MAR	17 200	SEP	17 200
APR	22 100	OCT	18 100
MAY	39 800	NOV	16 000
JUN	27 400	DEC	15 300

TOTAL DISCHARGE, 254 000 dam³

DOWNIE LAKE INFLOW CANAL - STATION NO. 05HA070

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	0B	0 B	1.13	0.240	0	0	0	0	0	---	---
2	---	0B	0 B	1.03	0.809	0	0	0	0	0	---	---
3	---	0B	0 B	1.25	0.831	0	0	0	0	0	---	---
4	---	0B	0.002B	0.890	0.849	0	0	0	0	0	---	---
5	---	0B	0.006B	0.447	0.649	0	0					
6	---	0B	0.012B	0.196	0.404	0	0	0	0	0	---	---
7	---	0B	0.518B	0.084	0.188	0	0	0	0	0	---	---
8	---	0B	0.516B	0.053	0.096	0	0	0	0	0	---	---
9	---	0B	0.244B	0.046	0.087A	0	0	0	0	0	---	---
10	---	0B	0.239B	0.044	0.088A	0	0					
11	---	0B	0.128B	0.032	0.089A	0	0	0	0	0	---	---
12	---	0B	0.147B	0.027	0.093	0	0	0	0	0	---	---
13	---	0B	0.111B	0.025	0.108	0	0	0	0	0	---	---
14	---	0B	0.127B	0.024	0.100	0	0	0	0	0	---	---
15	---	0B	0.116B	0.031	0.081	0	0					
16	---	0B	0.084B	0.050	0.069	0	0	0	0	0	---	---
17	---	0B	0.056B	0.064	0.050	0	0	0	0	0	---	---
18	---	0B	0.039B	0.047	0.036	0	0	0	0	0	---	---
19	---	0B	0.045B	0.032	0.035	0	0	0	0	0	---	---
20	---	0B	0.465B	0.029	0.053	0						
21	---	0B	1.73 B	0.027	0.117	0	0	0	0	0	---	---
22	---	0B	0.986B	0.032	0.206	0	0	0	0	0	---	---
23	---	0B	0.430B	0.036	0.053	0	0	0	0	0	---	---
24	---	0B	0.312B	0.038	0.017	0	0	0	0	0	---	---
25	---	0B	0.216B	0.039	0.008	0						
26	---	0B	0.056B	0.034	0.002	0	0	0	0	0	---	---
27	---	0B	0.057B	0.041	0	0	0	0	0	0	---	---
28	---	0B	0.297B	0.089	0	0	0	0	0	0	---	---
29	---		1.15	0.238	0	0	0	0	0	0	---	---
30	---		2.13	0.191	0		0	0				
31	---		1.74		0		0					
TOTAL	---	0	11.959	6.296	5.358	0	0	0	0	0	---	---
MEAN	---	0	0.386	0.210	0.173	0	0	0	0	0	---	---
MAX	---	0	2.13	1.25	0.849	0	0	0	0	0	---	---
MIN	---	0	0	0.024	0	0	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.086
MAXIMUM DAILY, 2.13 ON MAR 30
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
2.68 AT 10:37 CST ON MAR 30

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 08 N
LONG 109 39 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0	AUG	0
MAR	1 030	SEP	0
APR	544	OCT	0
MAY	463	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 040 dam³

DOWNIE LAKE RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA064

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	872.972E	873.116E	874.326	874.657E	874.774	874.624E	874.547	874.183	874.024	---	---	1
2	---	872.972E	873.118E	874.369	874.672E	874.772	874.618E	874.543	874.182	874.036	---	---	2
3	---	872.972E	873.120E	874.432	874.687E	874.760	874.611E	874.536	874.178	874.030	---	---	3
4	---	872.972E	873.121E	874.485	874.700E	874.763	874.604A	874.529	874.158	874.022	---	---	4
5	---	872.972E	873.125	874.509	874.718E	874.766	874.602E	874.520	874.166	874.033	---	---	5
6	---	872.972E	873.144	874.530	874.737E	874.752	874.600E	874.513	874.162	874.016	---	---	6
7	---	872.972E	873.178	874.533	874.755E	874.748	874.598E	874.511	874.154	874.005	---	---	7
8	---	872.972E	873.507	874.542	874.770E	874.754	874.596E	874.503	874.148	874.005	---	---	8
9	---	872.972E	873.621	874.544	874.774A	874.752	874.594E	874.494	874.144	874.003	---	---	9
10	---	872.972E	873.633	874.545	874.774	874.744	874.591E	874.488	874.140	874.012	---	---	10
11	---	872.972E	873.659	874.547	874.777	874.724	874.589E	874.482	874.137	873.996	---	---	11
12	---	872.972E	873.682	874.546	874.778	874.716	874.587E	874.474	874.137	873.986	---	---	12
13	---	872.972E	873.694	874.546	874.782	874.729	874.585E	874.473	874.128	873.994	---	---	13
14	---	872.972E	873.692	874.549	874.782	874.723	874.583E	874.460	874.115	873.989	---	---	14
15	---	872.972A	873.687	874.553	874.800	874.716	874.581E	874.454	874.101	873.986	---	---	15
16	---	872.972E	873.684	874.548	874.790	874.713	874.579E	874.422	874.093	873.985	---	---	16
17	---	872.972E	873.677	874.531	874.791	874.714	874.577E	874.391	874.098	873.976	---	---	17
18	---	872.972E	873.671	874.550	874.786	874.709	874.575E	874.357	874.084	873.976	---	---	18
19	---	872.972E	873.669	874.555	874.789	874.705	874.573E	874.329	874.094	873.995	---	---	19
20	---	872.973E	873.669	874.555	874.789	874.697A	874.570E	874.293	874.089	873.979	---	---	20
21	---	872.974E	873.809	874.552	874.799	874.690E	874.568E	874.260	874.094	873.966	---	---	21
22	---	872.976E	873.935	874.560	874.798	874.684E	874.566E	874.234	874.062	873.983	---	---	22
23	---	873.097	873.972	874.567E	874.797	874.677E	874.564E	874.244	874.056	873.976	---	---	23
24	---	873.094	873.995	874.576E	874.794	874.671E	874.562E	874.233	874.062	873.937	---	---	24
25	---	873.096E	874.006	874.585E	874.792	874.664E	874.560E	874.227	874.057	873.908	---	---	25
26	---	873.104E	874.016	874.596E	874.790	874.657E	874.558E	874.228	874.054	873.899	---	---	26
27	---	873.106E	874.023	874.608E	874.795	874.651E	874.556E	874.224	874.050	873.840	---	---	27
28	---	873.111E	874.031	874.620E	874.790	874.644E	874.554E	874.218	874.044	873.829	---	---	28
29	---		874.060	874.632E	874.777	874.638E	874.552E	874.211	874.012	873.806	---	---	29
30	---		874.149	874.643E	874.777	874.631E	874.549E	874.207	874.035	873.712	---	---	30
31	---		874.263		874.780		874.547A	874.195		873.600E		---	31
MEAN	---	873.000	873.669	874.541	874.768	874.711	874.580	874.380	874.107	873.952	---	---	MEAN
MAX	---	873.111	874.263	874.643	874.800	874.774	874.624	874.547	874.183	874.036	---	---	MAX
MIN	---	872.972	873.116	874.326	874.657	874.631	874.547	874.195	874.012	873.600	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 874.800 ON MAY 15
MINIMUM DAILY, 872.972E ON FEB 01
MAXIMUM INSTANTANEOUS,
874.829 AT 16:02 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 01 N
LONG 109 40 49 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
25.1 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.540B	0.864B	1.29 B	0.900B	0.881	0.583	5.53	0.295E	0.274	1.03	0.762	0.165B	1
2	0.700B	0.814B	1.81 B	0.800B	0.951	0.574	5.62	0.300E	0.267	1.29	0.771	0.250B	2
3	0.780B	0.390B	1.52 B	1.00 B	0.973	0.559	4.95	0.310E	0.267	10.6	0.683	0.560B	3
4	0.680B	0.270B	1.04 B	1.25 B	0.842	0.510	0.863	0.290E	1.30	9.55	0.561	0.293B	4
5	0.800B	0.096B	1.17 B	1.20 B	0.812	0.516	0.567	0.280E	4.29	9.07	0.524B	0.351B	5
6	0.620B	0.031B	1.56 B	1.12 B	0.771	0.497	0.651	0.300E	4.95	2.86	0.432B	0.268B	6
7	0.450B	0.844B	1.23 B	1.10 B	0.686	0.493	1.90	0.295E	4.72	1.32	0.122B	0.186B	7
8	0.330B	0.957B	1.31 B	0.815B	0.788	0.507	2.12	0.297A	4.27	1.62	0.165B	0.166B	8
9	0.500B	0.822B	1.27 B	1.07 B	0.792	0.544	2.14	0.298	3.93	2.34	0.182B	0.184B	9
10	0.788B	0.793B	1.25 B	1.20 B	0.769	0.512	2.06	0.278	2.65	3.21	0.160B	0.205B	10
11	0.724B	1.04 B	1.06 B	1.07 B	0.723	2.52	1.95	0.277	4.09	8.09	0.140B	0.167B	11
12	0.880B	0.841B	0.935B	0.969B	0.663	8.27	1.79	0.285	4.39	6.74	0.138B	0.258B	12
13	0.677B	0.844B	1.42 B	1.06 B	0.595	8.27	1.73	0.276	4.08	8.96	0.198B	0.166B	13
14	0.469B	0.899B	1.46 B	0.883B	0.511	8.05	1.76	0.271	4.24	10.7	0.220B	0.239B	14
15	0.329B	0.930B	1.49 B	0.912B	0.512	7.33	1.71	0.266	4.75	7.27	0.190B	0.228B	15
16	0.665B	0.555B	1.63 B	1.12 B	0.460	6.80	1.78	0.266	4.66	6.16	0.174B	0.240B	16
17	0.651B	1.10 B	1.66 B	0.959B	0.582	6.79	1.82	0.274	4.40	10.1	0.147B	0.228B	17
18	0.760B	1.09 B	1.70 B	1.15 B	0.606	6.85	1.75	0.255	3.17	9.41	0.205B	0.211B	18
19	0.726B	0.710B	1.50 B	1.29 B	0.677	6.82	1.68	0.269	2.91	8.00	0.149B	0.222B	19
20	0.549B	0.791B	1.20 B	1.28 B	0.678	6.92	1.50	0.282	3.38	11.2	0.148B	0.148B	20
21	0.455B	1.03 B	1.40 B	1.25 B	0.627	6.83	1.42	0.294	2.03	8.47	0.211B	0.232B	21
22	0.541B	1.17 B	1.55 B	1.51 B	0.518	6.77	1.31	0.294	1.08	3.04	0.238B	0.245B	22
23	0.713B	1.16 B	1.75 B	1.38 B	0.561	6.94	0.956	0.288	1.21	6.24	0.212B	0.175B	23
24	0.567B	1.39 B	1.45 B	1.09 B	0.543	7.02	0.598	0.293	1.06	8.14	0.203B	0.083B	24
25	0.379B	1.35 B	1.60 B	0.922B	0.541	6.89	0.580E	0.276	1.87	8.85	0.202B	0.155B	25
26	0.676B	1.26 B	1.05 B	1.07	0.513	6.50	0.440E	0.272	1.09	8.28	0.189B	0.152B	26
27	0.720B	1.53 B	1.20 B	1.06	0.567	5.48	0.340E	0.268	1.41	8.16	0.230B	0.146B	27
28	0.690B	1.29 B	1.40 B	1.22	0.545	5.45	0.275E	0.276	2.60	6.32	0.225B	0.193B	28
29	0.542B		1.25 B	2.21	0.606	5.50	0.290E	0.291	3.24	2.24	0.199B	0.155B	29
30	0.821B		1.05 B	0.898	0.623	5.55	0.285E	0.284	1.32	3.16	0.116B	0.225B	30
31	0.900B		1.40 B		0.603		0.289A	0.289		0.728		0.161B	31
TOTAL	19.622	24.861	42.605	33.758	20.519	136.525	50.644	8.789	83.982	193.348	8.096	6.657	TOTAL
MEAN	0.633	0.888	1.37	1.13	0.662	4.55	1.63	0.284	2.80	6.24	0.270	0.215	MEAN
MAX	0.900	1.53	1.81	2.21	0.973	8.27	5.62	0.310	4.95	11.2	0.771	0.560	MAX
MIN	0.329	0.031	0.935	0.800	0.460	0.493	0.275	0.255	0.267	0.728	0.116	0.083	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 1.72
MAXIMUM DAILY, 11.2 ON OCT 20
MINIMUM DAILY, 0.031B ON FEB 06
MAXIMUM INSTANTANEOUS,
13.6 AT 02:10 CST ON OCT 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 00 N
LONG 102 56 25 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 700	JUL	4 380
FEB	2 150	AUG	759
MAR	3 680	SEP	7 260
APR	2 920	OCT	16 700
MAY	1 770	NOV	699
JUN	11 800	DEC	575

TOTAL DISCHARGE, 54 400 dam³

DUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.170	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.138	0	0	0	0	0	---	---	2
3	---	---	0B	0.002B	0.123	0	0	0	0	0	---	---	3
4	---	---	0B	0.481B	0.143	0	0	0	0	0	---	---	4
5	---	---	0B	4.15 B	0.146	0	0	0	0	0	---	---	5
6	---	---	0B	7.51 B	0.143	0	0	0	0	0	---	---	6
7	---	---	0B	4.92 B	0.138	0	0	0	0	0	---	---	7
8	---	---	0B	4.81	0.130	0	0	0	0	0	---	---	8
9	---	---	0B	3.79	0.121	0	0	0	0	0	---	---	9
10	---	---	0B	3.56	0.100	0	0	0	0	0	---	---	10
11	---	---	0B	2.13	0.084	0	0	0	0	0	---	---	11
12	---	---	0B	2.20	0.066	0	0	0	0	0	---	---	12
13	---	---	0B	3.67	0.056	0	0	0	0	0	---	---	13
14	---	---	0B	2.34	0.047	0	0	0	0	0	---	---	14
15	---	---	0B	1.89	0.046	0	0	0	0	0	---	---	15
16	---	---	0B	1.44	0.044	0	0	0	0	0	---	---	16
17	---	---	0B	1.08	0.040	0	0	0	0	0	---	---	17
18	---	---	0B	0.905	0.036	0	0	0	0	0	---	---	18
19	---	---	0B	1.20	0.033	0	0	0	0	0	---	---	19
20	---	---	0B	1.58	0.032	0	0	0	0	0	---	---	20
21	---	---	0B	1.47	0.030	0	0	0	0	0	---	---	21
22	---	---	0B	1.12	0.033	0	0	0	0	0	---	---	22
23	---	---	0B	0.912	0.053	0	0	0	0	0	---	---	23
24	---	---	0B	0.716	0.047	0	0	0	0	0	---	---	24
25	---	---	0B	0.570	0.040	0	0	0	0	0	---	---	25
26	---	---	0B	0.464	0.034	0	0	0	0	0	---	---	26
27	---	---	0B	0.361	0.028	0	0	0	0	0	---	---	27
28	---	---	0B	0.305	0.019	0	0	0	0	0	---	---	28
29	---	---	0B	0.256	0.011	0	0	0	0	0	---	---	29
30	---		0B	0.211	0.005	0	0	0		0		---	30
31	---		0B		0.002		0	0		0		---	31
TOTAL	---	---	0	54.043	2.138	0	0	0	0	0	---	---	TOTA
MEAN	---	---	0	1.80	0.069	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	7.51	0.170	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.229
MAXIMUM DAILY, 7.51B ON APR 06
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
9.26B AT 02:48 CST ON APR 06

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 40 N
LONG 103 37 34 W
DRAINAGE AREA, 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	4 670	OCT	0
MAY	185	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4 860 dam³

EAGLE CREEK NEAR ANGLIA - STATION NO. 05GC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.057B	0.321	0.074	0.067	0.002	0.010	0	0	---	---	1
2	---	---	0.140B	0.278	0.083	0.064	0.001	0.008	0	0	---	---	2
3	---	---	0.169B	0.257	0.106	0.064	0.002	0.007	0	0	---	---	3
4	---	---	0.515B	0.235	0.103	0.064	0.054	0.006	0	0	---	---	4
5	---	---	1.22 B	0.216	0.104	0.073	0.136	0.005	0				5
6	---	---	2.46 B	0.191	0.110	0.120	0.221	0.005	0	0	---	---	6
7	---	---	1.06 B	0.166	0.087	0.099	0.143	0.003	0	0	---	---	7
8	---	---	1.44 B	0.154	0.078	0.081	0.112	0.002	0	0	---	---	8
9	---	---	2.84 B	0.148	0.072	0.058	0.089	0.001	0	0	---	---	9
10	---	---	2.52 B	0.154	0.077	0.043	0.073	0	0				10
11	---	---	1.71 B	0.134	0.076	0.041	0.061	0	0	0	---	---	11
12	---	---	1.05 B	0.121	0.076	0.039	0.052	0	0	0	---	---	12
13	---	---	0.647B	0.124	0.077	0.025	0.045	0	0	0.009	---	---	13
14	---	---	0.532B	0.120	0.079	0.015	0.039	0	0	0.023	---	---	14
15	---	---	0.606B	0.110	0.077	0.019	0.037	0	0	0.014	---	---	15
16	---	---	0.666B	0.105	0.076	0.050	0.031	0	0	0.011	---	---	16
17	---	---	1.05 B	0.107	0.076	0.074	0.027	0	0	0.010	---	---	17
18	---	---	1.99 B	0.108	0.076	0.083	0.025	0	0	0.009	---	---	18
19	---	---	2.24 B	0.102	0.077	0.124	0.021	0	0	0.007	---	---	19
20	---	---	2.08 B	0.100	0.079	0.117	0.019	0	0	0.006	---	---	20
21	---	---	1.08 B	0.103	0.083	0.095	0.018	0	0	0.004	---	---	21
22	---	---	0.520B	0.101	0.084	0.085	0.017	0	0	0.004	---	---	22
23	---	---	0.455B	0.098	0.088	0.071	0.017	0	0	0.005	---	---	23
24	---	---	0.363B	0.092	0.086	0.051	0.016	0	0	0.006	---	---	24
25	---	---	0.322B	0.088	0.082	0.038	0.013	0	0	0.006	---	---	25
26	---	---	0.303B	0.114	0.077	0.026	0.012	0	0	0.005	---	---	26
27	---	---	0.326B	0.111	0.075	0.014	0.014	0	0	0.004	---	---	27
28	---	---	0.443B	0.094	0.082	0.007	0.013	0	0	0.004	---	---	28
29	---	---	0.439B	0.086	0.084	0.006	0.010	0	0	0.003	---	---	29
30	---		0.374B	0.076	0.079	0.003	0.009	0	0	0.003A		---	30
31	---		0.348		0.073		0.009	0		0.003E			31
TOTAL	---	---	33.965	4.214	2.556	1.716	1.338	0.047	0	0.136	---	---	TO
MEAN	---	---	1.10	0.141	0.083	0.057	0.043	0.002	0	0.004	---	---	ME
MAX	---	---	3.44	0.321	0.110	0.124	0.221	0.010	0	0.023	---	---	MA
MIN	---	---	0.057	0.076	0.072	0.003	0.001	0	0	0	---	---	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.179
MAXIMUM DAILY, 3.44B ON MAR 08
MINIMUM DAILY, 0 ON AUG 10
MAXIMUM INSTANTANEOUS,
3.79B AT 04:05 CST ON MAR 08

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 43 N
LONG 108 10 58 W
DRAINAGE AREA, 5 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	116
FEB	---	AUG	4.06
MAR	2 930	SEP	0
APR	364	OCT	11.8
MAY	221	NOV	---
JUN	148	DEC	---

TOTAL DISCHARGE, 3 790 dam³

EAGLE CREEK NEAR ENVIRON - STATION NO. 05GC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.046B	1.75 B	0.475	0.166	0.063	0.055	0.004	0.018	0.022A	---	1
2	---	---	0.050B	1.80 B	0.449	0.247	0.101	0.035	0.004	0.018	---	---	2
3	---	---	0.056B	1.70 B	0.389	0.258	0.239	0.020	0.004	0.045	---	---	3
4	---	---	0.064B	1.28	0.409	0.272	0.128	0.015	0.004	0.060	---	---	4
5	---	---	0.072B	1.11	0.513	0.322	0.076	0.015	0.004	0.049	---	---	5
6	---	---	0.080B	0.965	0.478	0.236	0.073	0.016	0.004	0.013	---	---	6
7	---	---	0.090B	0.918	0.397	0.174	0.078	0.014	0.004	0.016	---	---	7
8	---	---	0.560B	0.910	0.339	0.129	0.106	0.010	0.004	0.019	---	---	8
9	---	---	2.31 B	0.966	0.346	0.217	0.079	0.005	0.004	0.019	---	---	9
10	---	---	1.85 B	0.929	0.318	0.189	0.047	0.004	0.004	0.011	---	---	10
11	---	---	0.963B	0.847	0.297	0.186	0.068	0.003	0.004	0.011	---	---	11
12	---	---	1.48 B	0.765	0.265	0.156	0.085	0.010	0.004	0.020	---	---	12
13	---	---	1.04 B	0.714	0.301	0.104	0.092	0.009	0.004	0.017	---	---	13
14	---	---	0.401B	0.650	0.304	0.055	0.087	0.003	0.004	0.014	---	---	14
15	---	---	0.277B	0.601	0.262	0.029	0.080	0.004	0.004	0.013	---	---	15
16	---	---	2.60 B	0.580	0.260	0.044	0.099	0.004	0.004	0.030	---	---	16
17	---	---	5.10 B	0.525	0.217	0.065	0.124	0.004	0.004	0.023	---	---	17
18	---	---	3.77 B	0.471	0.187	0.052	0.134	0.004	0.003	0.019	---	---	18
19	---	---	3.57 B	0.391	0.244	0.036	0.140	0.004	0.002	0.017	---	---	19
20	---	---	4.55 B	0.424	0.325	0.030	0.149	0.004	0.003	0.017	---	---	20
21	---	---	3.60 B	0.350	0.315	0.028	0.153	0.004	0.004	0.016	---	---	21
22	---	---	2.73 B	0.339	0.318	0.035	0.160	0.004	0.005	0.019	---	---	22
23	---	---	1.34 B	0.327	0.288	0.052	0.181	0.004	0.004	0.018	---	---	23
24	---	---	1.97 B	0.262	0.263	0.057	0.221	0.004	0.004	0.017	---	---	24
25	---	---	1.59 B	0.340	0.285	0.046	0.251	0.004	0.003	0.017	---	---	25
26	---	---	1.84 B	0.297	0.291	0.030	0.257	0.004	0.004	0.018	---	---	26
27	---	---	2.15 B	0.242	0.257	0.025	0.225	0.004	0.004	0.019	---	---	27
28	---	0.040B	2.45 B	0.278	0.184	0.026	0.182	0.004	0.021	0.020	---	---	28
29	---		2.66 B	0.521	0.150	0.032	0.128	0.004	0.028	0.020	---	---	29
30	---		2.48 B	0.539	0.123	0.053	0.197	0.004	0.024	0.021	---	---	30
31	---		2.26 B		0.125		0.087	0.004		0.021		---	31
TOTAL	---	---	53.999	21.791	9.374	3.351	4.090	0.282	0.177	0.655	---	---	TOTAL
MEAN	---	---	1.74	0.726	0.302	0.112	0.132	0.009	0.006	0.021	---	---	MEAN
MAX	---	---	5.10	1.80	0.513	0.322	0.257	0.055	0.028	0.060	---	---	MAX
MIN	---	---	0.046	0.242	0.123	0.025	0.047	0.003	0.002	0.011	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.383
MAXIMUM DAILY, 5.10B ON MAR 17
MINIMUM DAILY, 0.002 ON SEP 19
MAXIMUM INSTANTANEOUS,
7.63B AT 09:59 CST ON MAR 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 50 N
LONG 107 25 40 W
DRAINAGE AREA, 11 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	353
FEB	---	AUG	24.4
MAR	4 670	SEP	15.3
APR	1 880	OCT	56.6
MAY	810	NOV	---
JUN	290	DEC	---

TOTAL DISCHARGE, 8 100 dam³

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.162	0	0	0.001	0	0	0	---	---	1
2	---	---	0 B	0.055	0	0	0.004	0	0	0	---	---	2
3	---	---	0 B	0.018	0	0	0.005	0	0	0	---	---	3
4	---	---	0 B	0.007	0	0	0.002	0	0	0	---	---	4
5	---	---	0 B	0.005	0	0	0.001	0	0	0	---	---	5
6	---	---	0 B	0.004	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.003	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.002	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.002	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	DB	0 B	0	0	0	0.003	0	0	0	---	---	26
27	---	DB	0 B	0	0	0	0.111	0	0	0	---	---	27
28	---	DB	0 B	0	0	0	0.014	0	0	0	---	---	28
29	---		0 B	0	0	0	0.004	0	0	0	---	---	29
30	---		0.482B	0	0	0	0.002	0	0	0	---	---	30
31	---		0.373B		0		0.001	0		0		---	31
TOTAL	---	---	0.855	0.259	0	0	0.148	0	0	0	---	---	TOTAL
MEAN	---	---	0.028	0.009	0	0	0.005	0	0	0	---	---	MEAN
MAX	---	---	0.482	0.162	0	0	0.111	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.005
MAXIMUM DAILY, 0.482B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.12B AT 09:31 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 51 N
LONG 105 32 36 W
DRAINAGE AREA, 143 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	12.8
FEB	---	AUG	0
MAR	73.9	SEP	0
APR	22.4	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 109 dam³

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.057	0.054	0.059	0.079	0.082	0.130	0.079	0.048	0.045	0.045	0.054	0.054	1
2	0.057	0.054	0.059	0.074	0.122	0.093	0.065	0.045	0.045	0.048	0.054	0.051	2
3	0.059	0.054	0.059	0.076	0.139	0.079	0.062	0.045	0.048	0.051	0.051	0.054	3
4	0.057	0.057	0.059	0.068	0.167	0.074	0.054	0.054	0.042	0.051	0.051	0.054	4
5	0.057	0.057	0.059	0.062	0.173	0.071	0.048	0.057	0.042	0.054	0.051	0.051	5
6	0.057	0.057	0.059	0.062	0.173	0.062	0.057	0.059	0.042	0.051	0.051	0.051	6
7	0.059	0.057	0.065	0.062	0.176	0.059	0.057	0.054	0.042	0.051	0.051	0.051	7
8	0.059	0.057	0.068	0.062	0.178	0.059	0.054	0.048	0.042	0.054	0.051	0.051	8
9	0.059	0.057	0.068	0.065	0.176	0.057	0.048	0.048	0.045	0.054E	0.051	0.048	9
10	0.059	0.057	0.068	0.065	0.173	0.051	0.048	0.045	0.045	0.054E	0.051	0.048	10
11	0.057	0.059	0.068	0.062	0.170	0.034	0.048	0.048	0.045	0.054	0.051	0.051	11
12	0.057	0.059	0.071	0.059	0.167	0.020	0.045	0.045	0.045	0.054	0.054	0.051	12
13	0.057	0.054	0.071	0.059	0.173	0.034E	0.045	0.042	0.045	0.057	0.054	0.051	13
14	0.057	0.054	0.068	0.057	0.170	0.045	0.042	0.040	0.045	0.054	0.054	0.051	14
15	0.057	0.054	0.062	0.057	0.195	0.045	0.042E	0.040	0.042	0.051	0.054	0.048	15
16	0.057	0.054	0.037	0.057	0.184	0.051	0.040	0.037	0.042	0.048	0.054	0.048	16
17	0.057	0.051	0.048	0.057	0.170	0.051	0.042	0.042	0.045	0.048	0.051	0.045	17
18	0.054	0.051	0.076	0.068	0.170	0.051	0.042	0.048	0.045	0.051	0.051	0.045	18
19	0.057	0.054	0.076	0.062	0.187	0.048	0.048	0.051	0.045	0.059	0.051	0.042	19
20	0.057	0.057	0.074	0.059	0.181	0.048	0.054	0.051	0.045	0.057	0.051	0.037	20
21	0.054	0.059	0.074	0.057	0.195	0.054	0.051E	0.051	0.045	0.054	0.051	0.034	21
22	0.062	0.059	0.065	0.057	0.181	0.048	0.051	0.051	0.045	0.054	0.051	0.031	22
23	0.065	0.059B	0.062	0.059	0.173	0.048	0.054	0.051	0.045	0.054	0.051E	0.034	23
24	0.059	0.059	0.059	0.062	0.167	0.048	0.045	0.054	0.048	0.054	0.051E	0.040	24
25	0.057	0.059	0.059	0.065	0.190	0.045	0.048	0.054	0.045	0.059	0.051	0.040	25
26	0.057	0.057	0.062	0.062	0.187	0.048	0.065	0.054	0.048	0.057	0.054	0.034	26
27	0.054	0.057	0.065	0.062	0.176	0.062	0.065	0.054	0.045	0.045	0.051	0.034	27
28	0.054	0.057	0.071	0.062	0.167	0.062	0.062	0.051	0.048	0.048	0.051	0.037	28
29	0.054		0.074	0.062	0.161	0.068	0.051	0.048	0.048	0.048	0.051	0.031	29
30	0.051		0.079	0.062	0.173	0.054	0.048	0.048	0.051	0.048	0.054	0.028	30
31	0.054		0.082		0.178		0.051	0.048		0.051		0.025	31
TOTAL	1.768	1.574	2.026	1.882	5.274	1.699	1.611	1.511	1.350	1.618	1.557	1.350	TOT
MEAN	0.057	0.056	0.065	0.063	0.170	0.057	0.052	0.049	0.045	0.052	0.052	0.044	MEA
MAX	0.065	0.059	0.082	0.079	0.195	0.130	0.079	0.059	0.051	0.059	0.054	0.054	MAX
MIN	0.051	0.051	0.037	0.057	0.082	0.020	0.040	0.037	0.042	0.045	0.051	0.025	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.064
MAXIMUM DAILY, 0.195 ON MAY 15
MINIMUM DAILY, 0.020 ON JUN 12
MAXIMUM INSTANTANEOUS,
0.241 AT 17:15 CST ON MAY 15

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 58 N
LONG 105 24 32 W
DRAINAGE AREA, 1 400 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	153	JUL	139
FEB	136	AUG	131
MAR	175	SEP	117
APR	163	OCT	140
MAY	456	NOV	135
JUN	147	DEC	117

TOTAL DISCHARGE, 2 010 dam³

EASTEND CANAL - STATION NO. 11AC052

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DI
1	---	---	0	0	0	1.50	0	0	0	0	---	---	
2	---	---	0	0	0	1.13	0	0	0	0	---	---	
3	---	---	0	0	0	0.645	0	0	0	0	---	---	
4	---	---	0	0	0	0.001	0	0	0	0	---	---	
5	---	---	0	0	0	0	0	0	0	0	---	---	
6	---	---	0	0	0	0	0	0	0	0	---	---	
7	---	---	0	0	0	0	0	0	0	0	---	---	
8	---	---	0	0	0	0	0	0	0	0	---	---	
9	---	---	0	0	0	0	0	0	0	0	---	---	1
10	---	---	0	0	0	0	0	0	0	0	---	---	
11	---	---	0	0	0	0	0	0	0	0	---	---	1
12	---	---	0	0	0	0	0	0	0	0	---	---	1
13	---	---	0	0	0	0	0	0	0	0	---	---	1
14	---	---	0	0	1.02	0	0	0	0	0	---	---	1
15	---	---	0	0	1.82	0	0	0	0	0	---	---	
16	---	---	0	0	1.94	0	1.04	0	0	0	---	---	1
17	---	---	0	0	2.07	0	1.72	0	0	0	---	---	1
18	---	---	0	0	2.15	0	1.87	0	0	0	---	---	1
19	---	---	0	0	2.12	0	1.87	0	0	0	---	---	2
20	---	---	0	0	2.09	0	1.82	0	0	0	---	---	
21	---	---	0	0	2.06	0	1.77	0	0	0	---	---	2
22	---	0	0	0	2.17	0	1.71	0	0	0	---	---	2
23	---	0	0	0	2.28	0	1.86	0	0	0	---	---	2
24	---	0	0	0	2.36	0	1.94	0	0	0	---	---	2
25	---	0	0	0	2.25	0	1.98	0	0	0	---	---	
26	---	0	0	0	2.01	0	1.83	0	0	0	---	---	2
27	---	0	0	0	1.70	0	1.48	0	0	0	---	---	2
28	---	0	0	0	1.55	0	1.15	0	0	0	---	---	2
29	---		0	0	1.75	0	0.908	0	0	0	---	---	2
30	---		0	0	1.79	0	0.725	0	0	0	---	---	1
31	---		0		1.78		0.214	0		0		---	
TOTAL	---	---	0	0	34.91	3.276	23.887	0	0	0	---	---	TO
MEAN	---	---	0	0	1.13	0.109	0.771	0	0	0	---	---	ME
MAX	---	---	0	0	2.36	1.50	1.98	0	0	0	---	---	MA
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MI

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.253
MAXIMUM DAILY, 2.36 ON MAY 24
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 21 N
LONG 108 51 00 W

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 060
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	3 020	NOV	---
JUN	283	DEC	---

TOTAL DISCHARGE, 5 360 dam³

EASTEND RESERVOIR - STATION NO. 11AC055

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	915.491A	918.127	918.429	917.850	918.107	916.970	DRY	913.090E	---	---	1
2	---	---	915.517E	918.168	918.485	917.814	918.107	917.002	DRY	913.682E	---	---	2
3	---	---	915.700A	918.238	918.514	917.793	918.108	917.026	DRY	914.099A	---	---	3
4	---	---	916.203	918.338	918.521	917.821	918.112	917.048	DRY	914.357	---	---	4
5	---	---	916.656	918.364	918.523	917.849	918.115	917.062	DRY	914.604	---	---	5
6	---	---	917.105	918.304	918.516	917.872	918.141	917.074	DRY	914.897	---	---	6
7	---	---	917.516	918.244	918.515	917.888	918.152	917.084	DRY	915.131	---	---	7
8	---	---	917.651	918.262	918.539	917.883	918.162	917.086	DRY	915.252	---	---	8
9	---	---	917.758	918.294	918.546	917.873	918.174	917.084	DRY	915.351	---	---	9
10	---	---	917.790	918.311	918.542	917.863	918.203	917.084	DRY	915.428	---	---	10
11	---	---	917.885	918.312	918.545	917.870	918.217	917.078	DRY	915.457	---	---	11
12	---	---	917.866	918.310	918.556	917.873	918.218	917.074	DRY	915.456	---	---	12
13	---	---	917.647	918.328	918.573	917.877	918.215	917.067	DRY	915.451	---	---	13
14	---	---	917.428	918.350	918.565	917.872	918.212	917.065	DRY	915.457	---	---	14
15	---	---	917.433	918.373	918.530	917.885	918.221	917.049	DRY	915.460	---	---	15
16	---	---	917.498	918.405	918.479	917.916	918.206	916.973	DRY	915.461	---	---	16
17	---	---	917.601	918.443	918.421	917.949	918.118	916.896	DRY	915.465	---	---	17
18	---	---	917.671	918.455	918.358	917.976	918.024	916.832	DRY	915.467	---	---	18
19	---	---	917.730	918.458	918.306	917.994	917.928	916.766	DRY	915.466	---	---	19
20	---	---	917.816	918.469	918.253	918.011	917.831	916.708	DRY	915.465	---	---	20
21	---	915.440E	917.988	918.462	918.206	918.010	917.725	916.657	DRY	915.461	---	---	21
22	---	915.446E	917.939	918.452	918.152	918.004	917.613	916.583	DRY	915.461	---	---	22
23	---	915.452A	917.913	918.456	918.082	918.004	917.495	916.454	DRY	915.470	---	---	23
24	---	915.459E	918.037	918.464	918.009	918.011	917.354	916.284	DRY	915.459	---	---	24
25	---	915.465E	918.080	918.482	917.939	918.020	917.206	916.083	DRY	915.461	---	---	25
26	---	915.472E	918.075	918.485	917.884	918.036	917.107	915.859A	DRY	915.439	---	---	26
27	---	915.478E	918.054	918.479	917.890	918.058	917.053	915.532E	DRY	915.433	---	---	27
28	---	915.484E	918.027	918.474	917.917	918.072	916.989	915.195E	DRY	915.436	---	---	28
29	---		918.044	918.467	917.928	918.087	916.948	914.679E	DRY	915.441A	---	---	29
30	---		918.139	918.433	917.916	918.097	916.915	913.908E	DRY	915.446E	---	---	30
31	---		918.193		917.889		916.920	913.140E		915.450E		---	31
MEAN	---	---	917.498	918.374	918.307	917.938	917.803	916.465	DRY	915.176	---	---	MEAN
MAX	---	---	918.193	918.485	918.573	918.097	918.221	917.086	DRY	915.470	---	---	MAX
MIN	---	---	915.491	918.127	917.884	917.793	916.915	913.140	DRY	913.090	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 918.573 ON MAY 13
MINIMUM DAILY,DRY ON SEP 01
MAXIMUM INSTANTANEOUS,
918.584 AT 20:07 CST ON MAY 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 26 N
LONG 108 51 08 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1937

DRAINAGE AREA,
1 600 km²

ECHO CREEK AT FORT QU'APPELLE - STATION NO. 05JK008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	15.7	2.00	0	0	0	0	0	---	---	1
2	---	---	0 B	8.61	1.92	0	0	0	0	0	---	---	2
3	---	---	0 B	6.91	1.76	0	0	0	0	0	---	---	3
4	---	---	0 B	4.47	1.61	0	0	0	0	0	---	---	4
5	---	---	0 B	1.89	1.46	0	0	0	0	0	---	---	5
6	---	---	0 B	1.03	1.26	0	0	0	0	0	---	---	6
7	---	---	0 B	0.802	0.982	0	0	0	0	0	---	---	7
8	---	---	0 B	0.689	0.682	0	0	0	0	0	---	---	8
9	---	---	0 B	0.508	0.413	0	0	0	0	0	---	---	9
10	---	---	0.370B	0.401	0.269	0	0	0	0	0	---	---	10
11	---	---	3.30 B	0.347	0.177	0	0	0	0	0	---	---	11
12	---	---	3.92 B	0.261	0.122A	0	0	0	0	0	---	---	12
13	---	---	2.90 B	0.205	0.080E	0	0	0	0	0	---	---	13
14	---	---	1.83 B	0.125	0.040E	0	0	0	0	0	---	---	14
15	---	---	0.977B	0.089A	0.010A	0	0	0	0	0	---	---	15
16	---	---	0.708B	0.943A	0	0	0	0	0	0	---	---	16
17	---	---	0.445B	1.55	0	0	0	0	0	0	---	---	17
18	---	---	0.245B	1.54	0	0	0	0	0	0	---	---	18
19	---	---	0.135B	1.51	0	0	0	0	0	0	---	---	19
20	---	---	0.112B	1.48	0	0	0	0	0	0	---	---	20
21	---	---	0.096B	1.45	0	0	0	0	0	0	---	---	21
22	---	---	0.095B	1.71	0	0	0	0	0	0	---	---	22
23	---	---	0.076B	2.43	0	0	0	0	0	0	---	---	23
24	---	---	0.031B	2.35	0	0	0	0	0	0	---	---	24
25	---	---	0.008B	2.51	0	0	0	0	0	0	---	---	25
26	---	---	0 B	3.14	0	0	0	0	0	0	---	---	26
27	---	---	0 B	2.25	0	0	0	0	0	0	---	---	27
28	---	---	0 B	2.02	0	0	0	0	0	0	---	---	28
29	---	---	1.01 B	2.02	0	0	0	0	0	0	---	---	29
30	---		14.4	2.11	0	0	0	0	0	0	---	---	30
31	---		24.6		0		0	0		0		---	31
TOTAL	---	---	55.258	71.050	12.785	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	1.78	2.37	0.412	0	0	0	0	0	---	---	MEAN
MAX	---	---	24.6	15.7	2.00	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.089	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.568
MAXIMUM DAILY, 24.6 ON MAR 31
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
26.8 AT 22:09 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 38 N
LONG 103 47 50 W

DRAINAGE AREA, 634 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	4 770	SEP	0
APR	6 140	OCT	0
MAY	1 100	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 12 000 dam³

ECHO LAKE AT FISH HATCHERY - STATION NO. 05JK005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	478.381	478.385	478.398	478.684	478.984	479.110	479.145	479.087	479.042	478.861	478.551	478.363E
2	478.380	478.387	478.395	478.731	478.981	479.103	479.136	479.080	479.035	478.852	478.536	478.366E
3	478.380	478.387	478.397	478.783	478.999	479.109	479.136	479.088	479.033	478.854	478.523	478.368E
4	478.376	478.387	478.395	478.835	479.019	479.108	479.152	479.081	479.027	478.848	478.512	478.371A
5	478.377	478.385	478.398	478.877	479.032	479.120	479.153	479.078	479.024	478.824	478.497	478.369E
6	478.381	478.388	478.402	478.910	479.039	479.125	479.158	479.074	479.020	478.816	478.484	478.367A
7	478.386	478.390	478.402	478.930	479.048	479.124	479.172	479.071	479.017	478.812	478.477	478.366E
8	478.388	478.388	478.398	478.938	479.038	479.126	479.202	479.070	479.011	478.806	478.469	478.365A
9	478.386	478.388	478.404	478.945	479.043	479.126	479.205	479.064	479.004	478.801	478.458	478.368E
10	478.387	478.390	478.404	478.947	479.049	479.116	479.195	479.057	479.000	478.791	478.449	478.371A
11	478.383	478.394	478.406	478.954	479.052	479.121	479.185	479.061	478.998	478.779	478.440	478.371E
12	478.382	478.388	478.413	478.956	479.048	479.128	479.171	479.060	478.978	478.757	478.437	478.371E
13	478.382	478.386	478.440	478.957	479.059	479.124	479.158	479.061	478.976	478.747	478.431	478.371E
14	478.380	478.386	478.447	478.959	479.062	479.121	479.147	479.059	478.980	478.739	478.423	478.371E
15	478.382	478.382	478.454	478.959	479.058	479.121	479.134	479.049	478.973	478.729	478.412	478.371E
16	478.382	478.382	478.464	478.959	479.059	479.120	479.122	479.041	478.958	478.710	478.403	478.371E
17	478.381	478.381	478.465	478.961	479.076	479.122	479.110	479.028	478.954	478.695	478.397	478.371E
18	478.381	478.382	478.465	478.963	479.072	479.126	479.102	479.031	478.956	478.680	478.391	478.371A
19	478.379	478.383	478.470	478.968	479.072	479.130	479.100	479.029	478.951	478.668	478.386	478.369E
20	478.378	478.386	478.486	478.969	479.077	479.134	479.095	479.038	478.949	478.657	478.382	478.368A
21	478.380	478.385	478.507	478.967	479.080	479.132	479.090	479.041	478.944	478.650	478.376A	478.364
22	478.380	478.386	478.524	478.963	479.090	479.131	479.086	479.046	478.936	478.642	478.372E	478.360
23	478.389	478.385	478.541	478.963	479.079	479.126	479.084	479.049	478.933	478.634	478.369E	478.360
24	478.389	478.385	478.556	478.964	479.069	479.129	479.079	479.048	478.933	478.625	478.367A	478.359
25	478.388	478.390	478.568	478.974	479.058	479.137	479.073	479.050	478.930	478.617	478.365E	478.355
26	478.389	478.391	478.577	478.978	479.066	479.136	479.082	479.052	478.921	478.615	478.362A	478.353
27	478.383	478.392	478.588	478.968	479.083	479.132	479.096	479.067	478.903	478.613	478.363E	478.355
28	478.384	478.396	478.597	478.963	479.089	479.136	479.104	479.068	478.885	478.607	478.364A	478.348
29	478.386		478.607	478.979	479.083	479.142	479.099	479.066	478.873	478.597	478.362E	478.347
30	478.386		478.625	478.980	479.089	479.142	479.093	479.057	478.865	478.581	478.361A	478.348
31	478.386		478.650		479.100		479.089	479.053		478.567		478.348
MEAN	478.383	478.387	478.479	478.929	479.057	479.125	479.127	479.059	478.967	478.715	478.424	478.364
MAX	478.389	478.396	478.650	478.980	479.100	479.142	479.205	479.090	479.042	478.861	478.551	478.371
MIN	478.376	478.381	478.395	478.684	478.981	479.103	479.073	479.028	478.865	478.567	478.361	478.347

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 478.753
MAXIMUM DAILY, 479.205 ON JUL 09
MINIMUM DAILY, 478.347 ON DEC 29
MAXIMUM INSTANTANEOUS,
479.207 AT 17:02 CST ON JUL 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 35 N
LONG 103 52 10 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
38 900 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	5.46 B	0.025	0.011	0.002	0.002	0.002	0	0	---
2	---	---	0 B	5.93 B	0.019	0.013	0.001	0.002	0.001	0	0	---
3	---	---	0 B	5.99 B	0.016	0.008	0.003	0.002	0	0	0	---
4	---	---	0 B	4.62	0.015	0.006	0.003	0.002	0	0	0	---
5	---	---	0 B	3.08	0.014	0.010	0.002	0.001	0	0	0	---
6	---	---	0 B	2.39 A	0.012	0.006	0.009	0.001	0	0	---	---
7	---	---	0 B	2.01	0.011	0.005	0.019	0.001	0	0	---	---
8	---	---	0.010B	1.68	0.015	0.009	0.026	0.001	0	0	---	---
9	---	---	0.030B	1.39	0.011	0.008	0.015	0.001	0	0	---	---
10	---	---	0.065B	1.17 A	0.010	0.004	0.007	0.001	0	0	---	---
11	---	---	0.160B	0.812A	0.009	0.003	0.007	0.001	0	0	---	---
12	---	---	0.462B	0.690	0.008	0.003	0.007	0.001	0	0	---	---
13	---	---	0.973B	0.594	0.010	0.003	0.005	0.001	0	0	---	---
14	---	---	1.07 B	0.492	0.008	0.003	0.004	0.001	0	0	---	---
15	---	---	0.900B	0.437	0.010	0.003	0.003	0.001	0	0	---	---
16	---	---	0.800B	0.397	0.052	0.003	0.003	0.001	0	0	---	---
17	---	---	0.900B	0.340	0.025	0.003	0.003	0.001	0	0	---	---
18	---	---	0.815B	0.270	0.017	0.008	0.003	0.001	0	0	---	---
19	---	---	0.735B	0.217	0.020	0.009	0.003	0.001	0	0	---	---
20	---	---	0.650B	0.153	0.019	0.008	0.003	0.001	0	0	---	---
21	---	---	0.589B	0.122	0.018	0.004	0.002	0	0	0	---	---
22	---	---	0.440B	0.087	0.016	0.003	0.002	0	0	0	---	---
23	---	---	0.355B	0.070	0.012	0.002	0.002	0	0	0	---	---
24	---	---	0.285B	0.059	0.012	0.002	0.002	0	0	0	---	---
25	---	---	0.235B	0.109	0.011	0.001	0.002	0	0	0	---	---
26	---	---	0.185B	0.154	0.010	0.002	0.005	0	0	0	---	---
27	---	---	0.147B	0.116	0.009	0.002	0.010	0	0	0	---	---
28	---	---	0.121B	0.076	0.012	0.002	0.007	0.001	0	0	---	---
29	---	---	0.808B	0.052	0.015	0.001	0.005	0.003	0	0	---	---
30	---		3.37 B	0.031	0.013	0.001	0.003	0.003	0	0	---	---
31	---		4.64 B		0.014		0.002	0.002		0		---
TOTAL	---	---	18.745	38.998	0.468	0.146	0.170	0.033	0.003	0	---	---
MEAN	---	---	0.605	1.30	0.015	0.005	0.006	0.001	0	0	---	---
MAX	---	---	4.64	5.99	0.052	0.013	0.026	0.003	0.002	0	---	---
MIN	---	---	0	0.031	0.008	0.001	0.001	0		0	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.239
MAXIMUM DAILY, 5.99B ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
6.75B AT 21:00 CST ON APR 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 47 N
LONG 102 42 37 W
DRAINAGE AREA, 1 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14.7
FEB	---	AUG	2.85
MAR	1 620	SEP	0.259
APR	3 370	OCT	0
MAY	40.4	NOV	---
JUN	12.6	DEC	---

TOTAL DISCHARGE, 5 060 dam³

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.65B	1.54 B	0.730B	1.53	11.8	11.8	12.7	9.50	6.34	3.73	1.47	1.40B	1
2	1.65B	1.53 B	1.20	1.53	11.9	11.8	12.6	9.51	6.37	3.74	1.45	1.40B	2
3	1.64B	1.52 B	1.54	1.53	11.8	11.9	12.7	7.91	6.35	3.73	1.43	1.39B	3
4	1.64B	1.52 B	1.53	1.53	11.8	12.0	12.6	6.54	6.33	3.73	1.44	1.39B	4
5	1.63B	1.51 B	1.52	1.53	11.8	12.3	12.5	6.55	6.32	3.74	1.43	1.39B	5
6	1.63B	1.50 B	1.53	1.54	11.8	12.0	12.6	6.54	6.32	3.73	1.42	1.38B	6
7	1.63B	1.50 B	1.54	1.53	12.0	11.7	12.6	6.56	6.31	3.73	1.43	1.38B	7
8	1.62B	1.00 B	1.55	1.54	12.0	11.9	12.6	6.56	6.37	3.72	1.44	1.37B	8
9	1.62B	0.730B	1.55	1.54	12.0	12.0	12.6	6.55	6.39	3.72	1.43	1.37B	9
10	1.61B	0.730B	1.52	1.53	12.0	12.2	12.6	6.53	6.43	3.70	1.43	1.37B	10
11	1.61B	0.730B	1.52	1.54	11.9	12.4	11.0	6.57	6.45	3.69	1.44	1.36B	11
12	1.60B	0.730B	1.54	1.54	12.0	12.5	9.67	6.56	6.45	3.68	1.44	1.36B	12
13	1.59B	0.730B	1.54	1.55	12.0	12.6	9.69	6.55	6.48	3.66	1.45	1.35B	13
14	1.59B	0.730B	1.52	1.56	12.0	12.7	9.71	6.54	6.51	3.65	1.46	1.35B	14
15	1.57B	0.730B	1.53	1.56	12.1	12.4	9.69	6.53	6.54	1.75	1.46	1.34B	15
16	1.58B	0.730B	1.52	1.54	11.9	12.2	9.67	6.51	6.52	0.690	1.46	1.34B	16
17	1.58B	0.730B	1.52	1.54	11.7	12.4	9.59	6.50	6.54	1.45	1.47	1.33B	17
18	1.58B	0.730B	1.53	1.54	11.7	12.5	9.53	6.47	6.57	1.45	1.47	1.33B	18
19	1.59B	0.730B	1.55	1.55	11.7	12.7	9.48	6.48	6.59	1.44	1.48	1.33B	19
20	1.59B	0.730B	1.54	3.23	11.7	12.8	9.46	6.47	6.59	1.43	1.46	1.34B	20
21	1.59B	0.730B	1.53	4.69	11.7	12.9	9.45	6.47	6.61	1.43	1.45B	1.34B	21
22	1.59B	0.730B	1.53 B	4.72	11.7	12.9	9.45	6.44	6.60	1.44	1.45B	1.34B	22
23	1.60B	0.730B	1.53 B	6.30	11.7	12.8	9.43	6.42	6.59	1.45	1.44B	1.35B	23
24	1.58B	0.730B	1.53 B	7.71	11.7	12.8	9.44	6.45	6.60	1.44	1.44B	1.35B	24
25	1.58B	0.730B	1.51	7.72	11.7	12.8	9.44	6.42	6.60	1.44	1.43B	1.36B	25
26	1.58B	0.730B	1.51	7.72	11.6	12.8	9.51	6.42	6.60	1.45	1.43B	1.36B	26
27	1.57B	0.730B	1.52	10.0	11.6	12.8	9.58	6.40	6.61	1.44	1.42B	1.36B	27
28	1.56B	0.730B	1.52	11.9	11.7	12.7	9.52	6.40	5.15	1.44	1.42B	1.37B	28
29	1.56B		1.52	11.8	11.6	12.7	9.49	6.40	3.74	1.45	1.41B	1.37B	29
30	1.55B		1.53	11.8	11.6	12.7	9.51	6.38	3.75	1.45	1.41B	1.38B	30
31	1.54B		1.54		11.8		9.49	6.36		1.45		1.38B	31
TOTAL	49.50	26.220	46.260	116.84	366.0	372.7	327.90	208.49	187.62	76.040	43.26	42.23	TOTAL
MEAN	1.60	0.936	1.49	3.89	11.8	12.4	10.6	6.73	6.25	2.45	1.44	1.36	MEAN
MAX	1.65	1.54	1.55	11.9	12.1	12.9	12.7	9.51	6.61	3.74	1.48	1.40	MAX
MIN	1.54	0.730	0.730	1.53	11.6	11.7	9.43	6.36	3.74	0.690	1.41	1.33	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.10
MAXIMUM DAILY, 12.9 ON JUN 21
MINIMUM DAILY, 0.690 ON OCT 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 40 N
LONG 106 23 55 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 280	JUL	28 300
FEB	2 270	AUG	18 000
MAR	4 000	SEP	16 200
APR	10 100	OCT	6 570
MAY	31 600	NOV	3 740
JUN	32 200	DEC	3 650

TOTAL DISCHARGE, 161 000 dam³

EMMA LAKE NEAR TWEEDSMUIR - STATION NO. 05GG008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	515.416	515.500	515.442	515.385	---	---	1
2	---	---	---	---	---	---	515.424	515.507	515.443	515.384	---	---	2
3	---	---	---	---	---	---	515.455	515.499	515.440	515.382	---	---	3
4	---	---	---	---	---	---	515.460	515.500	515.440	515.376	---	---	4
5	---	---	---	---	---	---	515.457	515.494	515.434	515.378	---	---	5
6	---	---	---	---	---	515.434	515.455	515.495	515.439	515.371	---	---	6
7	---	---	---	---	---	---	515.458	515.489	515.432	515.356	---	---	7
8	---	---	---	---	515.375	---	515.460	515.480	515.432	515.350	---	---	8
9	---	---	---	---	---	---	515.460	515.478	515.430	515.346	---	---	9
10	---	---	---	---	---	---	515.466	515.482	515.427	515.345	---	---	10
11	---	---	---	---	515.402	---	515.481	515.480	515.421	515.354	---	---	11
12	---	---	---	---	---	---	515.480	515.477	515.418	515.344	---	---	12
13	---	---	---	---	---	515.440	515.478	515.478	515.418	515.354	---	---	13
14	---	---	---	---	---	---	515.478	515.471	515.417	515.354	---	---	14
15	---	---	---	---	---	---	515.479	515.464	515.415	515.352	---	---	15
16	---	---	---	---	515.414	---	515.471	515.469	515.409	515.348	---	---	16
17	---	---	---	---	---	---	515.475	515.472	515.406	---	---	---	17
18	---	---	---	---	---	---	515.473	515.456	515.401	---	---	---	18
19	---	---	---	---	---	---	515.471	515.458	515.399	---	---	---	19
20	---	---	---	---	---	515.441	515.473	515.455	515.406	---	515.370	---	20
21	---	---	---	---	---	---	515.463	515.455	515.398	---	---	---	21
22	---	---	---	---	---	---	515.463	515.451	515.395	---	---	---	22
23	---	---	---	---	---	---	515.463	515.455	515.396	---	---	---	23
24	---	---	---	---	515.416	---	515.463	515.446	515.395	---	---	---	24
25	---	---	---	---	---	---	515.467	515.444	515.394	---	---	---	25
26	---	---	---	---	---	---	515.461	515.440	515.393	---	---	---	26
27	---	---	---	---	---	515.410	515.511	515.442	---	---	---	---	27
28	---	---	---	---	---	515.417	515.523	515.441	---	---	---	---	28
29	---		---	---	---	515.415	515.503	515.440	---	---	---	---	29
30	---		---	---	515.411	515.415	515.503	515.444	---	---	---	---	30
31	---		---		---		515.502	515.446		515.326		---	31
MEAN	---	---	---	---	---	---	515.471	515.468	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	515.523	515.507	---	---	---	---	MAX
MIN	---	---	---	---	---	---	515.416	515.440	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 515.523 ON JUL 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 34 10 N
LONG 105 53 15 W
DATA CONTRIBUTED BY - SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA, 161 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.072B	1.75 B	1.15	0.347	0.047	0.056	0.061	0.048	---	---	1
2	---	---	0.072B	2.30 B	1.14	0.303	0.054	0.043	0.064	0.057	---	---	2
3	---	---	0.072B	2.85 B	1.16	0.259	0.173	0.033	0.062	0.055	---	---	3
4	---	---	0.072B	2.76 B	1.18	0.229	0.300	0.028	0.060	0.072	---	---	4
5	---	---	0.072B	2.93 B	1.13	0.189	0.371	0.027	0.059	0.088	---	---	5
6	---	---	0.072B	5.35	1.13	0.157	0.353	0.020	0.058	0.108	---	---	6
7	---	---	0.072B	7.20	1.15	0.143	0.327	0.017	0.049	0.117	---	---	7
8	---	---	0.072B	4.55	1.18	0.132	0.303	0.016	0.048	0.115	---	---	8
9	---	---	0.072B	2.70 A	1.19	0.124	0.270	0.015	0.053	0.123	---	---	9
10	---	---	0.072B	2.02 E	1.15	0.134	0.242	0.014	0.046	0.120	---	---	10
11	---	---	0.073B	1.84 E	1.08	0.155	0.218	0.014	0.043	0.121	---	---	11
12	---	---	0.074B	1.81 A	0.992	0.151	0.198	0.014	0.039	0.131	---	---	12
13	---	---	0.076B	1.64	0.908	0.146	0.168	0.015	0.037	0.128	---	---	13
14	---	---	0.078B	1.38	0.841	0.133	0.137	0.016	0.030	0.146	---	---	14
15	---	---	0.080B	1.05 E	0.800	0.138	0.116	0.018	0.031	0.151	---	---	15
16	---	---	0.084B	0.883E	0.756	0.132	0.113	0.020	0.019	0.141	---	---	16
17	---	---	0.088B	0.864E	0.714	0.121	0.131	0.022	0.017	0.136	---	---	17
18	---	---	0.096B	0.860E	0.689	0.102	0.148	0.036	0.011	0.140	---	---	18
19	---	---	0.110B	0.854A	0.690	0.092	0.154	0.083	0.011	0.136	---	---	19
20	---	---	0.130B	0.887	0.676	0.088	0.147	0.117	0.018	0.131	---	---	20
21	---	---	0.159B	0.933	0.711	0.075	0.137	0.100	0.008	0.140	---	---	21
22	---	---	0.170B	0.932	0.749	0.063	0.127	0.078	0.019	0.130	---	---	22
23	---	---	0.160B	0.953	0.669	0.063	0.118	0.062	0.024	0.144	---	---	23
24	---	---	0.150B	1.01	0.646	0.056	0.110	0.055	0.038	0.145	---	---	24
25	---	---	0.140B	1.06	0.633	0.048	0.103	0.059	0.038	0.143	---	---	25
26	---	0.072B	0.135B	1.18	0.577	0.046	0.092	0.063	0.035	0.139	---	---	26
27	---	0.072B	0.140B	1.27	0.532	0.045	0.085	0.059	0.032	0.146	---	---	27
28	---	0.072B	0.150B	1.26	0.502	0.045	0.081	0.055	0.038	0.144	---	---	28
29	---	---	0.175B	1.24	0.474	0.046	0.074	0.050	0.041	0.145	---	---	29
30	---	---	0.252B	1.19	0.433	0.045	0.074	0.051	0.030	0.147	---	---	30
31	---		1.00 B		0.397		0.067	0.057		0.219A		---	31
TOTAL	---	---	4.240	57.506	26.030	3.807	5.038	1.313	1.119	3.996	---	---	TOTAL
MEAN	---	---	0.137	1.92	0.840	0.127	0.163	0.042	0.037	0.129	---	---	MEAN
MAX	---	---	1.00	7.20	1.19	0.347	0.371	0.117	0.064	0.237	---	---	MAX
MIN	---	---	0.072	0.854	0.397	0.045	0.047	0.014	0.008	0.048	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.421
MAXIMUM DAILY, 7.20 ON APR 07
MINIMUM DAILY, 0.008 ON SEP 21
MAXIMUM INSTANTANEOUS,
8.27 AT 23:34 CST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 34 32 N
LONG 109 09 25 W
DRAINAGE AREA, 393 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	435
FEB	---	AUG	113
MAR	366	SEP	96.7
APR	4 970	OCT	345
MAY	2 250	NOV	---
JUN	329	DEC	---

TOTAL DISCHARGE, 8 900 dam³

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	11.6 B	4.58	1.56	3.31	0.533A	0.030	0.001E	---	---	1
2	---	---	0.250B	16.2 B	4.44	1.40	3.28	0.418	0.034	0.001E	---	---	2
3	---	---	0.250B	24.1 B	4.46	1.29	2.62	0.287	0.037	0.001E	---	---	3
4	---	---	0.250B	41.5 B	5.22	1.14	4.64	0.209	0.033	0.001E	---	---	4
5	---	---	0.250B	30.4 B	5.72	1.13	8.41	0.226	0.034	0.001E	---	---	5
6	---	---	0.258B	17.9 B	5.90	1.34	8.90	0.152A	0.027	0.001E	---	---	6
7	---	---	0.287B	12.5 B	5.14	1.48	8.61	0.103A	0.022	0.001E	---	---	7
8	---	---	0.309B	9.04	5.05	1.90	7.88	0.096	0.016	0.001E	---	---	8
9	---	---	0.333B	6.77	5.32	2.15	6.74	0.066	0.019	0.001E	---	---	9
10	---	---	0.345B	4.21	5.24	1.89	5.96	0.050	0.012	0.001E	---	---	10
11	---	---	0.404B	3.08	5.39	1.63	4.96	0.047	0.009	0.001E	---	---	11
12	---	---	0.413B	3.21	5.19	1.47	4.01	0.074	0.008	0.001	---	---	12
13	---	---	0.395B	3.44	4.38	1.33	3.43	0.075	0.004	0.006	---	---	13
14	---	---	0.385B	3.42	3.70	1.17	2.70	0.071	0.004	0.012	---	---	14
15	---	---	0.405B	3.44	3.28	1.05	2.30	0.064	0.001	0.026	---	---	15
16	---	---	0.431B	3.23	3.50	0.985	1.95	0.038	0.001	0.033	---	---	16
17	---	---	0.463B	2.86	5.46	0.927	1.62	0.036	0.001E	0.043	---	---	17
18	---	---	0.484B	3.01	4.10	0.842	1.46	0.028	0.001E	0.050	---	---	18
19	---	---	0.536B	5.08	3.80	1.15	1.24	0.026	0.001E	0.060	---	---	19
20	---	---	0.591B	8.66	3.84	1.39	0.999	0.029	0.003	0.066	---	---	20
21	---	---	0.604B	10.5	3.92	1.32	0.827	0.017	0.006	0.093	---	---	21
22	---	---	0.611B	11.4	4.06	0.891	0.705	0.018	0.005	0.095	---	---	22
23	---	---	0.648B	12.4	4.34	0.719	0.568	0.012	0.005	0.084	---	---	23
24	---	---	0.689B	11.8	5.37	0.639	0.442	0.012	0.004	0.085	---	---	24
25	---	---	0.724B	9.54	4.55	0.596	0.389	0.018	0.003	0.094	---	---	25
26	---	---	0.735B	7.93	4.04	0.530	0.985	0.019	0.003	0.101	---	---	26
27	---	---	0.773B	6.53	3.50	0.565	0.959	0.022	0.001	0.098	---	---	27
28	---	---	0.806B	5.63	2.98	0.694	0.914	0.024	0.001	0.093	---	---	28
29	---	---	0.941B	5.19	2.43	1.88	0.885	0.024	0.001E	0.095	---	---	29
30	---		1.04 B	4.90	2.00	2.79	0.785	0.030	0.001E	0.098A	---	---	30
31	---		1.93 B		1.76		0.691	0.030		0.098E		---	31
TOTAL	---	---	16.790	299.47	132.66	37.848	92.969	2.854	0.327	1.342	---	---	TOTAL
MEAN	---	---	0.542	9.98	4.28	1.26	3.00	0.092	0.011	0.043	---	---	MEAN
MAX	---	---	1.93	41.5	5.90	2.79	8.90	0.533	0.037	0.101	---	---	MAX
MIN	---	---	0.250	2.86	1.76	0.530	0.389	0.012	0.001	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.38
MAXIMUM DAILY, 41.5B ON APR 04
MINIMUM DAILY, 0.001 ON SEP 15
MAXIMUM INSTANTANEOUS,
47.5B AT 09:57 CST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 35 32 N
LONG 102 33 54 W
DRAINAGE AREA, 2 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8 030
FEB	---	AUG	247
MAR	1 450	SEP	28.2
APR	25 900	OCT	116
MAY	11 500	NOV	---
JUN	3 270	DEC	---

TOTAL DISCHARGE, 50 500 dam³

EYEHILL CREEK NEAR MACKLIN - STATION NO. 05GA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.005	0.108	0	0	0	0	0	---	---	1
2	---	---	0B	0.006	0.107	0.005	0	0	0	0	---	---	2
3	---	---	0B	0.007	0.104	0.002	0	0	0	0	---	---	3
4	---	---	0B	0.007	0.103	0.002	0	0	0	0	---	---	4
5	---	---	0B	0.005	0.100	0.001	0	0	0	0	---	---	5
6	---	---	0B	0.004	0.101	0.001	0	0	0	0	---	---	6
7	---	---	0B	0.003	0.110	0.001	0	0	0	0	---	---	7
8	---	---	0B	0.004	0.116	0	0	0	0	0	---	---	8
9	---	---	0B	0.004	0.081	0	0	0	0	0	---	---	9
10	---	---	0B	0.003	0.073	0	0	0	0	0	---	---	10
11	---	---	0B	0.003	0.103	0	0	0	0	0	---	---	11
12	---	---	0B	0.003	0.144	0	0	0	0	0	---	---	12
13	---	---	0B	0.002	0.137	0	0	0	0	0	---	---	13
14	---	---	0B	0.002	0.123	0	0	0	0	0	---	---	14
15	---	---	0B	0.002	0.127	0	0	0	0	0	---	---	15
16	---	---	0B	0.002	0.131	0	0	0	0	0	---	---	16
17	---	---	0B	0.002	0.134	0	0	0	0	0	---	---	17
18	---	---	0B	0.002	0.112	0	0	0	0	0	---	---	18
19	---	---	0B	0.001	0.065	0	0	0	0	0	---	---	19
20	---	---	0B	0.001	0.042	0	0	0	0	0	---	---	20
21	---	---	0B	0.014	0.033	0	0	0	0	0	---	---	21
22	---	---	0B	0.086	0.029	0	0	0	0	0	---	---	22
23	---	---	0B	0.086	0.024	0	0	0	0	0	---	---	23
24	---	---	0B	0.087	0.018	0	0	0	0	0	---	---	24
25	---	---	0B	0.085	0.012	0	0	0	0	0	---	---	25
26	---	---	0B	0.098	0.007	0	0	0	0	0	---	---	26
27	---	---	0B	0.104	0.004	0	0	0	0	0	---	---	27
28	---	---	0B	0.115	0.003	0	0	0	0	0	---	---	28
29	---	---	0B	0.115	0.002	0	0	0	0	0	---	---	29
30	---		0B	0.110	0.001	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	0.968	2.254	0.012	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.032	0.073	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.115	0.144	0.005	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.144 ON MAY 12
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.151 AT 03:36 CST ON MAY 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 19 08 N
LONG 109 55 41 W
DRAINAGE AREA, 10 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	83.6	OCT	0
MAY	195	NOV	---
JUN	1.04	DEC	---

TOTAL DISCHARGE, 280 dam³

FAHLMAN CREEK NEAR DAVIN - STATION NO. 05JF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.091	0	0	0	0	0	0	---	---	1
2	---	---	0.007B	0.060	0	0.001	0	0	0	0	---	---	2
3	---	---	0.065B	0.033	0	0	0	0	0	0	---	---	3
4	---	---	0.073B	0.018	0.001	0	0	0	0	0	---	---	4
5	---	---	0.032B	0.009	0.001	0	0	0	0	0	---	---	5
6	---	---	0.021B	0.007	0.001	0	0.004	0	0	0	---	---	6
7	---	---	0.144B	0.006	0.001	0	0.001	0	0	0	---	---	7
8	---	---	0.314B	0.004	0.001	0	0.002	0	0	0	---	---	8
9	---	---	0.631B	0.002	0.001	0	0	0	0	0	---	---	9
10	---	---	0.592B	0.001	0.001	0	0.001	0	0	0	---	---	10
11	---	---	0.438B	0.001	0	0	0.006	0	0	0	---	---	11
12	---	---	0.286B	0.001	0	0	0.001	0	0	0	---	---	12
13	---	---	0.212B	0.002	0.001	0	0	0	0	0	---	---	13
14	---	---	0.189B	0.002	0.001	0	0	0	0	0	---	---	14
15	---	---	0.124B	0.001	0.002	0	0	0	0	0	---	---	15
16	---	---	0.050B	0.001	0.002	0	0	0	0	0	---	---	16
17	---	---	0.095B	0.001	0.001	0	0	0	0	0	---	---	17
18	---	---	0.127B	0	0.001	0	0	0	0	0	---	---	18
19	---	---	0.117B	0.001	0.001	0	0	0	0	0	---	---	19
20	---	---	0.360B	0.001	0.001	0	0	0	0	0	---	---	20
21	---	---	0.267B	0.001	0.001	0	0	0	0	0	---	---	21
22	---	---	0.076B	0.001	0.001	0	0	0	0	0	---	---	22
23	---	---	0.018B	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.009B	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.007B	0.002	0	0	0	0.	0	0	---	---	25
26	---	---	0.015B	0.002	0	0	0.122	0	0	0	---	---	26
27	---	---	0.100B	0.001	0	0	0.053	0	0	0	---	---	27
28	---	---	0.203B	0	0	0	0.007	0	0	0	---	---	28
29	---	---	0.204B	0	0	0	0.003	0	0	0	---	---	29
30	---		0.203B	0	0	0	0	0	0	0	---	---	30
31	---		0.150		0		0	0		0		---	31
TOTAL	---	---	5.129	0.251	0.019	0.001	0.200	0	0	0	---	---	TOTAL
MEAN	---	---	0.166	0.008	0.001	0	0.007	0	0	0	---	---	MEAN
MAX	---	---	0.631	0.091	0.002	0.001	0.122	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.023
MAXIMUM DAILY, 0.631B ON MAR 09
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.19 AT 19:40 CST ON JUL 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 22 10 N
LONG 104 11 30 W
DRAINAGE AREA, 15.3 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	17.3
FEB	---	AUG	0
MAR	443	SEP	0
APR	21.7	OCT	0
MAY	1.64	NOV	---
JUN	0.086	DEC	---

TOTAL DISCHARGE, 484 dam³

FIFE LAKE NEAR LISIEUX - STATION NO. 11AE016

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	---	---	799.599	---	---	799.467	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	799.491	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	799.288	---	---	---	5
6	---	---	---	---	---	799.566	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	799.610	---	---	---	---	---	---	---	---	---	27
28	---	799.620E	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	799.600E	---	799.502E	---	---	799.278E	---	---	---	30
31	---		799.608E		799.572E		799.469E	799.315E		799.265		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEA
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 14 22 N
LONG 105 50 55 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 604 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.157B	0.252B	0.027B	0.811B	3.00E	2.14	5.43	0.645	0.196	0.142	0.395	0.088B	1
2	0.150B	0.174B	0.049B	2.24 B	2.75E	1.94	5.53	0.793	0.213	0.114	0.440	0.089B	2
3	0.193B	0.174B	0.014B	8.08 B	2.80E	1.82	5.34	0.801	0.186	0.174	0.368B	0.095B	3
4	0.150B	0.154B	0.016B	9.79 B	3.60E	1.68	5.49	0.681	0.159	0.194	0.365B	0.050B	4
5	0.132B	0.185B	0.061B	4.31 B	4.60E	1.62	5.68	0.595	0.189	0.230	0.377B	0.078B	5
6	0.121B	0.157B	0.127B	2.79 B	6.20E	1.52	5.76	0.548	0.193	0.256	0.311B	0.076B	6
7	0.148B	0.230B	0.070B	1.11 B	8.20E	1.67	5.54	0.477	0.153	0.269	0.301B	0.073B	7
8	0.162B	0.110B	0.120B	0.993B	9.31E	1.83	5.32	0.419	0.125	0.270	0.274B	0.049B	8
9	0.124B	0.117B	0.097B	0.951B	8.19A	1.72	4.99	0.362	0.137	0.276	0.340B	0.047B	9
10	0.118B	0.134B	0.161B	1.36 B	8.07	1.63	4.33	0.327	0.087	0.231	0.375B	0.036B	10
11	0.139B	0.118B	0.190B	1.26 B	9.02	1.67	3.69	0.326	0.082	0.256	0.396B	0.033B	11
12	0.076B	0.147B	0.112B	0.951B	8.70	1.97	3.05	0.300	0.080	0.316	0.360B	0.079B	12
13	0.097B	0.122B	0.170B	1.14 B	8.18	2.33	2.46	0.285	0.094	0.363	0.320B	0.095B	13
14	0.054B	0.151B	0.119B	1.53 B	7.51	2.35	2.02	0.250	0.077	0.393	0.208B	0.116B	14
15	0.078B	0.181B	0.191B	2.14 B	6.95	2.11	1.61	0.236	0.091	0.370	0.246B	0.129B	15
16	0.136B	0.147B	0.146B	1.52 B	6.71	1.84	1.37	0.219	0.093	0.403	0.313B	0.072B	16
17	0.163B	0.124B	0.128B	0.799	6.12	1.65	1.23	0.220	0.088	0.313	0.303B	0.098B	17
18	0.146B	0.174B	0.117B	1.08	5.63	1.49	1.12	0.229	0.067	0.320	0.287B	0.068B	18
19	0.098B	0.171B	0.012B	1.46	5.37	1.32	1.05	0.215	0.043	0.288	0.244B	0.035B	19
20	0.179B	0.132B	0.068B	1.61	5.03	1.16	0.973	0.191	0.063	0.307	0.227B	0.042B	20
21	0.164B	0.082B	0.148B	1.53	5.10	1.07	0.906	0.185	0.104	0.357	0.272B	0.045B	21
22	0.151B	0.149B	0.034B	2.77	4.96	1.02	0.843	0.190	0.128	0.319	0.207B	0.018B	22
23	0.118B	0.139B	0.056B	4.45	4.72	0.896	0.787	0.173	0.133	0.320	0.183B	0.023B	23
24	0.173B	0.149B	0.043B	6.34	4.52	0.811	0.733	0.111	0.133	0.314	0.309B	0.081B	24
25	0.216B	0.216B	0.033B	7.67	4.25	0.742	0.680	0.128	0.117	0.297	0.254B	0.144B	25
26	0.184B	0.065B	0.069B	8.27 A	3.83	0.663	0.630	0.160	0.091	0.319	0.223B	0.092B	26
27	0.175B	0.125B	0.032B	8.45 E	3.51	0.956	0.655	0.257	0.070	0.352	0.201B	0.084B	27
28	0.180B	0.057B	0.150B	6.30 E	3.32	1.92	0.652	0.311	0.076	0.327	0.295B	0.067B	28
29	0.151B		0.447B	5.20 E	2.91	3.18	0.626	0.285	0.076	0.308	0.166B	0.098B	29
30	0.233B		0.451B	4.10 E	2.61	4.58	0.608	0.259	0.117	0.454	0.188B	0.041B	30
31	0.193B		0.965B		2.31		0.600	0.208		0.317		0.066B	31
TOTAL	4.559	4.136	4.423	101.005	167.98	51.298	79.703	10.386	3.451	9.169	8.748	2.207	TOT
MEAN	0.147	0.148	0.143	3.37	5.42	1.71	2.57	0.335	0.115	0.296	0.292	0.071	MEA
MAX	0.233	0.252	0.965	9.79	9.31	4.58	5.76	0.801	0.213	0.454	0.440	0.144	MAX
MIN	0.054	0.057	0.012	0.799	2.31	0.663	0.600	0.111	0.043	0.114	0.166	0.018	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.22
MAXIMUM DAILY, 9.79B ON APR 04
MINIMUM DAILY, 0.012B ON MAR 19
MAXIMUM INSTANTANEOUS,
12.2B AT 15:53 CST ON APR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 59 N
LONG 102 23 44 W
DRAINAGE AREA, 508 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1900

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	394	JUL	6 890
FEB	357	AUG	897
MAR	382	SEP	298
APR	8 730	OCT	792
MAY	14 500	NOV	756
JUN	4 430	DEC	191

TOTAL DISCHARGE, 38 600 dam³

FISHING LAKE NEAR WADENA - STATION NO. 05MB013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	528.452	528.432	528.384	528.289	528.170	---	---	1
2	---	---	---	---	---	528.451	528.423	528.383	528.284	528.164	---	---	2
3	---	---	---	---	---	528.445	528.440	528.380	528.288	528.188	---	---	3
4	---	---	---	---	---	528.452	528.443	528.371	528.281	---	---	---	4
5	---	---	---	---	---	528.449	528.437	528.369	528.277	---	---	---	5
6	---	---	---	---	---	528.444	528.433	528.362	528.271	---	---	---	6
7	---	---	---	---	---	528.451	528.430	528.360	528.269	---	---	---	7
8	---	---	---	---	---	528.450E	528.444	528.359	528.265	---	---	---	8
9	---	---	---	---	---	528.449	528.443	528.350	528.263	---	---	---	9
10	---	---	---	---	---	528.437	528.434	528.343	528.253	---	---	---	10
11	---	---	---	---	---	528.456	528.433	528.339	528.248	---	---	---	11
12	---	---	---	---	---	528.447	528.429	528.339	528.225	---	---	---	12
13	---	---	---	---	---	528.447	528.425	528.339	528.238	---	---	---	13
14	---	---	---	---	---	528.442	528.426	528.331	528.235	---	---	---	14
15	---	---	---	---	---	528.438	528.422	528.326	528.229	---	---	---	15
16	---	---	---	---	---	528.435	528.415	528.323	528.215	---	---	---	16
17	---	---	---	---	---	528.434	528.418	528.316	528.217	---	---	---	17
18	---	---	---	---	---	528.440	528.419	528.308	528.223	---	---	---	18
19	---	---	---	---	---	528.449	528.413	528.304	528.207	---	---	---	19
20	---	---	---	---	---	528.457	528.407	528.305	528.208	---	---	---	20
21	---	---	---	---	---	528.451	528.403	528.304	528.208	---	---	---	21
22	---	---	---	---	---	528.449	528.398	528.306	528.204	---	---	---	22
23	---	---	---	---	---	528.447	528.398	528.308	528.199	---	---	---	23
24	---	---	---	---	---	528.447	528.392	528.310	528.200	---	---	---	24
25	---	---	---	---	---	528.447	528.374	528.311	528.197	528.112	---	---	25
26	---	---	---	---	---	528.440	528.376	528.305	528.197	---	---	---	26
27	---	---	---	---	---	528.437	528.398	528.310	528.188	---	---	---	27
28	---	---	---	---	---	528.440	528.411	528.306	528.184	---	---	---	28
29	---		---	---	---	528.439	528.396	528.301	528.175	---	---	---	29
30	---		---	---	528.454	528.431	528.391	528.290	528.181	---	---	---	30
31	---		---		528.457		528.387	528.305		---		---	31
					528.456								
MEAN	---	---	---	---	---	528.445	528.416	528.330	528.231	---	---	---	MEAN
MAX	---	---	---	---	---	528.457	528.444	528.384	528.289	---	---	---	MAX
MIN	---	---	---	---	---	528.431	528.374	528.290	528.175	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 41 N
LONG 103 33 48 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 634 km²

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.120B	0	0	0	0	0.034	0	0	---	---	1
2	---	---	0.406B	0	0	0	0	0.020	0	0	---	---	2
3	---	---	0.114B	0	0	0	0	0.026	0	0	---	---	3
4	---	---	0.102B	0	0	0	0	0.026	0	0	---	---	4
5	---	---	0.257B	0	0	0	0	0.017	0	0	---	---	5
6	---	---	0.113B	0	0	0	0	0.005	0	0	---	---	6
7	---	---	0.097B	0	0	0	0		0	0	---	---	7
8	---	---	0.096B	0	0	0	0.258	0	0	0	---	---	8
9	---	---	0.052B	0	0	0	0.073	0	0	0	---	---	9
10	---	---	0.033B	0	0	0.351	0.449	0	0	0	---	---	10
11	---	---	0.025B	0	0	0.467	0.168	0	0	0	---	---	11
12	---	---	0.019B	0	0	0.044	0.090	0	0	0	---	---	12
13	---	---	0.010B	0	0	0.019	0.049	0	0	0	---	---	13
14	---	---	0.006B	0	0	0.011	0.019	0	0	0	---	---	14
15	---	---	0.006B	0	0	0.004	0.004	0	0	0	---	---	15
16	---	---	0.004B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.003	0	0	0	0	0	0	0	---	---	17
18	---	---	0.002	0	0	0	0	0	0	0	---	---	18
19	---	---	0.001	0	0	0	0	0	0	0	---	---	19
20	---	---	0.001	0	0	0	0	0	0	0	---	---	20
21	---	---	0.003	0	0	0	0	0	0	0	---	---	21
22	---	---	0.002	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	0B	0	0	0	0	0.032	0	0	0	---	---	28
29	---		0	0	0	0	0.162	0	0	0	---	---	29
30	---		0	0	0	0	0.165	0	0	0	---	---	30
31	---		0		0		0.106	0		0		---	31
							0.066	0					
TOTAL	---	---	1.472	0	0	0.896	1.641	0.128	0	0	---	---	TOTAL
MEAN	---	---	0.049	0	0	0.030	0.053	0.004	0	0	---	---	MEAN
MAX	---	---	0.406	0	0	0.467	0.449	0.034	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.017
MAXIMUM DAILY, 0.467 ON JUN 11
MINIMUM DAILY, 0 ON MAR 23
MAXIMUM INSTANTANEOUS
3.52 AT 21:28 CST ON JUN 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 04 N
LONG 106 56 46 W
DRAINAGE AREA, 91.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	142
FEB	---	AUG	11.1
MAR	127	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	77.4	DEC	---

TOTAL DISCHARGE, 358 dam³

FOND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO. 07LE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	304	277	247	241A	264	338	371	377	326	298	276A	270A	1
2	304	276	246	243	267	340	371	371	323	298	274A	271A	2
3	303	275	246	244	269	340	372	372	319	297	273A	270	3
4	302	274A	245	242	271	340	370	373	320	293	273A	271A	4
5	301	273	244	242	273	339	371A	372	317	290	272A	270	5
6	301	273	244	243	278	339	371A	372	314	289	273A	271A	6
7	299	271	243	243	282	341	375	367	312	290	273A	271	7
8	298	269	243	243	286	339	378	369	312	289	273A	270	8
9	297	267	242	242	289	341	377	367	310	288	273A	272A	9
10	300	267	242	241	294	341	377	363	310	288	273	272A	10
11	295	266	241	242	298	343	375	362	309	288	272A	272E	11
12	295	264	239	243	301	345	373	362	309	289	272	272E	12
13	294	263	239	243	304	345	375	364	309	290	273A	271E	13
14	292	262	240	243	308	344	375	362A	309	287A	276A	271E	14
15	292	261	241	243	310	346	376	360A	307	284A	275A	271E	15
16	291	260	241	244	313	346	381	358A	304	284	274	271A	16
17	289	259	241	246	314	346	382	355A	302	285A	272A	271A	17
18	289	258	241	246	316	347	384	352A	304	286A	272A	271A	18
19	288	256	242	248	318	348	383	350A	307	286A	271A	271A	19
20	289	255	240	249	323	349	382	347	305	285A	271A	270A	20
21	288	254	240	248A	326	352	380	346	304	286A	272A	269A	21
22	287	254	241	247A	325	354	382	349	301	287	273A	269A	22
23	286	252	241	248	327	356	382	348	303	284	275A	269A	23
24	286	252	243	250	329	356	380	338	301	283	275	269A	24
25	285	251	242	253	331	359	379	337	298	281	274A	268A	25
26	283	250	242	253	333	360	379	335	300	279	273A	267A	26
27	282	250	242	255	334	361	381	333	301	279	272A	266A	27
28	281	249	241A	257	336	365	377	333	301	283	272A	265A	28
29	279		241A	259	337	365	376	333	299	274A	272A	264A	29
30	278		242	261	338	368	377	330	297	278A	271A	263E	30
31	277		241		338		377	328		278A		262E	31
TOTAL	9 035	7 340	7 503	7 402	9 532	10 453	11 689	10 985	9 233	8 876	8 190	8 350	TOTAL
MEAN	291	262	242	247	307	348	377	354	308	286	273	269	MEAN
MAX	304	277	247	261	338	368	384	377	326	298	276	272	MAX
MIN	277	249	239	241	264	338	370	328	297	274	271	262	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 298
MAXIMUM DAILY, 384 ON JUL 18
MINIMUM DAILY, 239 ON MAR 12
MAXIMUM INSTANTANEOUS,
391 AT 03:51 CST ON JUL 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 08 50 N
LONG 105 32 20 W
DRAINAGE AREA, 49 200 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	781 000	JUL	1 010 000
FEB	634 000	AUG	949 000
MAR	648 000	SEP	798 000
APR	640 000	OCT	767 000
MAY	824 000	NOV	708 000
JUN	903 000	DEC	721 000

TOTAL DISCHARGE, 9 380 000 dam³

REMARKS - THE PEAK DISCHARGE WAS PARTLY DUE TO WIND ON BLACK LAKE

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO. 06CE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.19	8.44A	8.26	8.00	13.2	23.2	13.6	9.19	5.91	4.77	6.09	6.28	1
2	9.14	8.49	8.10	7.99	15.9	22.3	13.6	8.93	5.85	4.90	6.18	6.18	2
3	9.05	8.56	8.09	8.01	15.0	21.3	13.4	8.72	5.78	5.14	6.19	6.17	3
4	8.94	8.60	8.06	7.93	16.1	20.6	13.5	8.62	5.64	5.12	6.18	6.21	4
5	8.87	8.58	8.10	7.91	17.9	20.3	13.3	8.57	5.57	4.97	6.22	6.26	5
6	9.06	8.61	8.11	7.92	20.5	20.1	12.9	8.58	5.45	4.86	6.22	6.26	6
7	9.07	8.65	8.12	7.92	23.8	19.7	12.7	8.40	5.36	4.84	6.25	6.26	7
8	9.06	8.59	8.10	7.85	26.1	19.4	12.6	8.20	5.31	4.82	6.27	6.27	8
9	9.13	8.54	8.11	7.73	29.1	18.9	12.4	7.97	5.20	4.86	6.24	6.28	9
10	9.12	8.41	8.07	7.71	31.9	18.6	12.3	7.95	5.11	5.07	6.20	6.17	10
11	9.10	8.41	8.14	7.78	33.9	18.8	12.1	7.80	5.10	5.05	6.17	6.15	11
12	8.97	8.45	8.24	7.78	35.4	18.7	11.9	7.71	5.08	4.99	6.19	6.19	12
13	8.91	8.32	8.16	7.79	36.2	18.2	11.7	7.74	5.12	5.05	6.27	6.17	13
14	8.91	8.32	8.19	7.79	36.6	17.4	11.4	7.61	5.14	5.10	6.36	6.15	14
15	8.89	8.23	8.21	7.74	36.8	16.7	11.1	7.40	5.11	5.10	6.46	6.18	15
16	8.91	8.23	8.23	7.74	36.1	16.4	11.0	7.37	5.09	5.12	6.40	6.27	16
17	8.78	8.24	8.13	7.87	35.1	16.4	10.9	7.22	5.02	5.13	6.34	6.24	17
18	8.72	8.30	8.11	7.98	34.2	16.2	10.7	6.97	4.95	5.18	6.31	6.22	18
19	8.78	8.35	8.18	7.97	33.4	15.9	10.7	6.84	4.89	5.24	6.32	6.18A	19
20	8.77	8.38	8.09	8.00	32.5	15.6	10.6	6.77	4.88	5.38	6.36	6.12E	20
21	8.79	8.32	8.06	8.10	31.6	15.5	10.4	6.79	4.93	5.47	6.53	6.06E	21
22	8.81	8.29	7.95	8.35	30.8	15.2	10.3	6.71	4.88	5.58	6.54	6.01E	22
23	8.82	8.28	7.99	8.63	29.7	14.8	10.2	6.58	4.86	5.63	6.47	6.00E	23
24	8.76	8.20	8.02	8.96	29.0	14.6	10.0	6.35	4.90	5.69	6.39	6.00E	24
25	8.71	8.35	7.99	9.30	28.2	14.2	9.88	6.21	4.89	5.81	6.34	6.00E	25
26	8.85	8.35	7.93	10.0	27.2	13.9	9.94A	6.07	4.80	5.90	6.24	5.99E	26
27	8.64	8.25	7.96	10.3	26.4	13.8	10.3	6.00	4.74	5.88	6.27	5.99E	27
28	8.54	8.26	8.03	10.8	25.3	13.9	10.1	5.88	4.75	5.93	6.28	5.98E	28
29	8.51		8.05	11.7	24.2	13.7	9.68	5.83	4.75	5.96	6.33	5.98E	29
30	8.42A		8.10	12.5	23.4	13.7	9.45	5.81	4.78	6.00	6.35	5.97E	30
31	8.43		8.03		22.7		9.30	6.08		6.04		5.97E	31
TOTAL	274.65	235.00	250.91	256.05	856.2	518.0	351.95	226.87	153.84	164.58	188.96	190.16	TOTAL
MEAN	8.86	8.39	8.09	8.54	27.6	17.3	11.4	7.32	5.13	5.31	6.30	6.13	MEAN
MAX	9.19	8.65	8.26	12.5	36.8	23.2	13.6	9.19	5.91	6.04	6.54	6.28	MAX
MIN	8.42	8.20	7.93	7.71	13.2	13.7	9.30	5.81	4.74	4.77	6.09	5.97	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.0
MAXIMUM DAILY, 36.8 ON MAY 15
MINIMUM DAILY, 4.74 ON SEP 27
MAXIMUM INSTANTANEOUS,
37.4 AT 18:55 CST ON MAY 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 49 30 N
LONG 105 45 20 W
DRAINAGE AREA, 4 540 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 700	JUL	30 400
FEB	20 300	AUG	19 600
MAR	21 700	SEP	13 300
APR	22 100	OCT	14 200
MAY	74 000	NOV	16 300
JUN	44 800	DEC	16 400

TOTAL DISCHARGE, 317 000 dam³

FRENCHMAN RIVER AT 50-MILE - STATION NO. 11AC023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	3.77 B	1.15	0.703	0.258	0.065	0.633	0.003	---	---	1
2	---	---	---	8.37 B	1.05	0.570	0.240	0.038	0.481	0.003	---	---	2
3	---	---	---	12.2 B	1.47	0.543	0.243	0.029	0.335	0.002	---	---	3
4	---	---	---	8.72 B	1.40	0.528	0.210	0.057	0.276	0.002	---	---	4
5	---	---	---	7.81 B	0.995	0.508	0.214	0.068	0.221	0.002	---	---	5
6	---	---	---	5.57	0.730	0.485	0.245	0.110	0.177	0.002	---	---	6
7	---	---	---	5.24	1.66	0.499	0.213	0.139	0.150	0.002	---	---	7
8	---	---	---	5.30	1.97	0.537	0.216	0.142	0.124	0.002	---	---	8
9	---	---	---	4.34	1.79	0.527	0.188	0.089	0.098	0.002	---	---	9
10	---	---	---	3.19	1.46	0.457	0.176	0.070	0.076	0.001	---	---	10
11	---	---	---	2.05	1.08	0.404	0.206	0.060	0.060	0.001	---	---	11
12	---	---	---	1.75	0.840	0.351	0.163	0.057	0.040	0.001	---	---	12
13	---	---	---	1.61	1.06	0.601	0.123	0.058	0.030	0.001	---	---	13
14	---	---	---	1.55	1.10	0.691	0.127	0.047	0.027	0.001	---	---	14
15	---	---	---	1.59	1.11	0.647	0.139	0.030	0.035	0.001	---	---	15
16	---	---	---	1.33	1.05	0.552	0.166	0.019	0.020	0	---	---	16
17	---	---	---	1.18	1.14	0.495	0.126	0.012	0.018	0	---	---	17
18	---	---	---	1.14	1.10	0.496	0.105	0.028	0.035	0	---	---	18
19	---	---	---	1.06	0.776	0.583	0.118	0.034	0.032	0	---	---	19
20	---	---	---	0.806	0.643	0.504	0.122	0.042	0.019	0	---	---	20
21	---	---	---	1.33	0.652	0.401	0.119	0.061	0.009	0	---	---	21
22	---	---	---	1.56	0.655	0.320	0.119	0.469	0.006	0.001	---	---	22
23	---	---	---	1.27	0.664	0.261	0.114	0.501	0.005	0.002	---	---	23
24	---	---	---	1.60	0.583	0.232	0.104	0.490	0.004	0.178	---	---	24
25	---	---	---	1.58	0.567	0.222	0.116	0.472	0.004	0.186	---	---	25
26	---	---	---	1.17	0.600	0.226	0.195	0.477	0.003	0.231	---	---	26
27	---	---	---	1.05	0.665	0.430	0.233	0.518	0.003	0.286	---	---	27
28	---	---	---	1.04	0.834	0.402	0.200	0.666	0.003	0.243	---	---	28
29	---	---	5.72B	1.02 B	0.833	0.323	0.148	0.671	0.003	0.238	---	---	29
30	---		4.87B	0.987B	0.829	0.283	0.063	0.607	0.003	0.249A	---	---	30
31	---		4.03B		0.803		0.118	0.585		0.249E		---	31
TOTAL	---	---	---	91.183	31.159	13.781	5.127	6.711	2.930	1.889	---	---	TOTAL
MEAN	---	---	---	3.04	1.01	0.459	0.165	0.217	0.098	0.061	---	---	MEAN
MAX	---	---	---	12.2	1.87	0.703	0.258	0.671	0.633	0.286	---	---	MAX
MIN	---	---	---	0.806	0.567	0.222	0.063	0.012	0.003	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.714
MAXIMUM DAILY, 12.2B ON APR 03
MINIMUM DAILY, 0 ON OCT 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 37 N
LONG 108 00 45 W
DRAINAGE AREA, 3 080 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	443
FEB	---	AUG	580
MAR	---	SEP	253
APR	7 880	OCT	163
MAY	2 690	NOV	---
JUN	1 190	DEC	---

TOTAL DISCHARGE, 13 200 dam³

REMARKS - THE STAGE DISCHARGE RELATION WAS NOT DEFINED BY DISCHARGE MEASUREMENT ABOVE 2 M3/S

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.300B	0.028	0.815	1.74	1.18	0.218	0.014	0	---	---	1
2	---	---	0.600B	0.178	0.465	1.73	1.04	0.143	0.012	0	---	---	2
3	---	---	1.10 B	0.211	0.300	1.76	2.74	0.111	0.005	0	---	---	3
4	---	---	1.87 B	0.179	0.213	1.65	1.63	0.104	0.003	0	---	---	4
5	---	---	3.90 B	0.153	0.243	1.64	1.10	0.095	0.002	0	---	---	5
6	---	---	7.25 B	0.934	1.17	1.78	2.31	0.084	0.002	0	---	---	6
7	---	---	6.41 B	5.85	1.42	1.93	1.96	0.072	0.001	0	---	---	7
8	---	---	4.00 B	6.74	1.73	2.68	1.33	0.062	0.001	0	---	---	8
9	---	---	3.00 B	5.60	1.78	2.81	0.656	0.050	0.001	0	---	---	9
10	---	---	2.20 B	3.35	1.57	2.72	0.324	0.042	0	0	---	---	10
11	---	---	1.67	2.84	0.776	2.78	0.206	0.041	0.002	0	---	---	11
12	---	---	0.967	3.00	0.388	2.46	0.146	0.038	0.001	0	---	---	12
13	---	---	0.355B	3.05	0.247	2.35	0.151	0.036	0.001	0	---	---	13
14	---	---	0.730	1.56	0.176	2.20	0.153	0.039	0.001	0	---	---	14
15	---	---	1.03	1.00	0.154	2.25	0.142	0.035	0.001	0	---	---	15
16	---	---	0.836	0.948	0.136	2.80	0.129	0.030	0.001	0	---	---	16
17	---	---	0.450	0.887	0.269	2.69	0.122	0.031	0	0	---	---	17
18	---	---	0.316	0.758	0.490	2.49	0.120	0.036	0	0	---	---	18
19	---	---	0.327	0.829	0.449	2.54	0.122	0.036	0	0	---	---	19
20	---	---	0.400B	0.674	1.45	2.73	0.122	0.035	0	0	---	---	20
21	---	---	0.650B	0.598	2.08	2.41	0.115	0.030	0	0	---	---	21
22	---	---	0.750B	0.373	2.00	2.53	0.112	0.029	0	0	---	---	22
23	---	---	0.600B	0.759	1.88	2.49	0.107	0.027	0	0	---	---	23
24	---	---	0.400B	1.01	1.77	2.37	0.101	0.025	0	0	---	---	24
25	---	---	0.282	1.22	1.62	2.03	0.106	0.027	0	0	---	---	25
26	---	---	0.227	1.14	1.77	1.72	7.88	0.030	0	0	---	---	26
27	---	---	0.209	1.23	2.07	1.50	6.77	0.025	0	0	---	---	27
28	---	0.112B	0.086	1.49	2.04	1.31	4.24	0.021	0	0	---	---	28
29	---		0.039	2.10	1.94	1.20	1.91	0.017	0	0	---	---	29
30	---		0.092	1.85	1.77	1.15	0.781	0.017	0	0	---	---	30
31	---		0.070		1.74		0.366	0.016		0		---	31
TOTAL	---	---	41.116	50.539	34.921	64.44	38.171	1.602	0.048	0	---	---	TOTAL
MEAN	---	---	1.33	1.68	1.13	2.15	1.23	0.052	0.002	0	---	---	MEAN
MAX	---	---	7.25	6.74	2.08	2.81	7.88	0.218	0.014	0	---	---	MAX
MIN	---	---	0.039	0.028	0.136	1.15	0.101	0.016	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.942
MAXIMUM DAILY, 7.88 ON JUL 26
MINIMUM DAILY, 0 ON SEP 10
MAXIMUM INSTANTANEOUS,
23.8 AT 14:00 CST ON JUL 26

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 107 18 06 W
DRAINAGE AREA, 5 510 km²

B - ICE CONDITIONS

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 300
FEB	---	AUG	138
MAR	3 550	SEP	4.15
APR	4 370	OCT	0
MAY	3 020	NOV	---
JUN	5 570	DEC	---

TOTAL DISCHARGE, 20 000 dam³

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO. 11AC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.693B	11.5	0.599	0.242	0.249	0.118	0.208	0	---	---	1
2	---	---	0.743B	8.04	0.585	0.244	0.247	0.251	0.223	0.059	---	---	2
3	---	---	1.36 B	5.78	1.58	0.246	0.222	0.247	0.172	0.100	---	---	3
4	---	---	1.94 B	4.43	2.00	0.234	0.203	0.243	0.118	0.118	---	---	4
5	---	---	1.68 B	4.73	1.98	0.225	0.206	0.237	0.106	0.120	---	---	5
6	---	---	2.04 B	4.23	1.62	0.221	0.223	0.232	0.138	0.133	---	---	6
7	---	---	9.78 B	2.78	0.864	0.523	0.211	0.218	0.072	0.145	---	---	7
8	---	---	12.8 B	1.36	0.801	0.690	0.218	0.222	0.011	0.139	---	---	8
9	---	---	11.5 B	1.35	0.994	0.690	0.222	0.213	0.050	0.138	---	---	9
10	---	---	9.54 B	1.33	1.01	0.587	0.236	0.210	0.053	0.171	---	---	10
11	---	---	11.6 B	1.32	0.887	0.476	0.237	0.205	0.001	0.242	---	---	11
12	---	---	14.5	1.04	0.894	0.460	0.221	0.205	0	0.287	---	---	12
13	---	---	10.8	0.845	0.988	0.530	0.222	0.148	0	0.247	---	---	13
14	---	---	7.65	0.832	0.620	0.645	0.118	0.127	0	0.247	---	---	14
15	---	---	4.48	0.838	0.347	0.342	0.025	0.517	0	0.269	---	---	15
16	---	---	3.21	0.823	0.341	0.247	0.020	0.874	0	0.286	---	---	16
17	---	---	2.36	1.16	0.349	0.243	0.011	0.856	0	0.309	---	---	17
18	---	---	2.38	1.55	0.351	0.239	0.012	0.834	0	0.313	---	---	18
19	---	---	2.40	1.28	0.301	0.237	0.028	0.815	0	0.309	---	---	19
20	---	---	2.42	1.32	0.274	0.450	0.062	0.786	0.020	0.321	---	---	20
21	---	---	7.27	1.58	0.284	0.566	0.047	0.756	0.005	0.288	---	---	21
22	---	---	9.85	0.962	0.324	0.470	0.047	0.910	0	0.295	---	---	22
23	---	0.237B	4.28	0.844	0.409	0.410	0.039	1.18	0.072	0.379	---	---	23
24	---	0.264B	2.48	0.858	0.305	0.405	0.035	1.26	0.085	0.280	---	---	24
25	---	0.545B	3.18	0.823	0.298	0.308	0.046	1.13	0	0.306	---	---	25
26	---	0.728B	3.17	0.662	0.289	0.250	0.047	1.04	0.003	0.318	---	---	26
27	---	0.514B	3.16	0.724	0.276	0.255	0.023	1.20	0	0.227	---	---	27
28	---	0.803B	3.12	0.745	0.265	0.244	0.007	0.404	0	0.276	---	---	28
29	---		3.04	1.14	0.250	0.235	0.007	0.368	0	0.268A	---	---	29
30	---		4.99	1.46	0.250	0.242	0.002	0.292	0	0.267E	---	---	30
31	---		11.5		0.249		0.008	0.268		0.267E		---	31
TOTAL	---	---	169.916	66.336	20.584	11.156	3.501	16.366	1.337	7.124	---	---	TOTAL
MEAN	---	---	5.48	2.21	0.664	0.372	0.113	0.528	0.045	0.230	---	---	MEAN
MAX	---	---	14.5	11.5	2.00	0.690	0.249	1.26	0.223	0.379	---	---	MAX
MIN	---	---	0.693	0.662	0.249	0.221	0.002	0.118	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.21
MAXIMUM DAILY, 14.5 ON MAR 12
MINIMUM DAILY, 0 ON SEP 12
MAXIMUM INSTANTANEOUS,
14.9 AT 22:28 CST ON MAR 11

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 54 N
LONG 108 50 16 W
DRAINAGE AREA, 1 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	302
FEB	---	AUG	1 410
MAR	14 700	SEP	116
APR	5 730	OCT	616
MAY	1 780	NOV	---
JUN	964	DEC	---

TOTAL DISCHARGE, 25 600 dam³

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC062

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.050	0.120	0.008	1.53	1.09	0.262	0	0	---	---	1
2	---	---	0.047	0.110	0.885	1.52	1.07	0.259	0	0	---	---	2
3	---	---	0.045A	0.056	1.31	1.58	0.625	0.257	0	0	---	---	3
4	---	---	0.035E	6.39	1.30	1.57	0.193	0.255	0	0	---	---	4
5	---	---	0.017E	10.3	1.72	1.92	0.239	0.253	0	0	---	---	5
6	---	---	0.006A	8.92	2.12	2.49	0.098	0.251	0	0	---	---	6
7	---	---	0.004	6.38	2.09	2.40	0.270	0.251	0	0	---	---	7
8	---	---	0.004	3.98	0.478	2.29	0.277	0.251	0	0	---	---	8
9	---	---	0.001	3.41	0.090	2.14	0.277	0.248	0	0	---	---	9
10	---	---	0.001	3.34	0.088	2.15	0.277	0.244	0	0	---	---	10
11	---	---	0.002	2.68	0.087	2.28	0.273	0.238	0	0	---	---	11
12	---	---	0.003	1.31	0.089	1.67	0.262	0.205	0	0	---	---	12
13	---	---	0.005	1.24	0.088	2.50	0.262	0	0	0	---	---	13
14	---	---	0.005	1.20	0.086	2.66	0.261	0.117	0	0	---	---	14
15	---	---	0.006	1.19	0.085	2.45	0.261	0.187	0	0	---	---	15
16	---	---	0.033	1.21	0.151	2.81	0.258	0.188	0	0	---	---	16
17	---	---	0.065	0.974	0.736	2.85	0.257	0.186	0	0	---	---	17
18	---	---	0.083	0.727	1.60	2.70	0.249	0.182	0	0	---	---	18
19	---	---	0.101	0.662	1.60	2.42	0.247	0.174	0	0	---	---	19
20	---	---	0.106	0.660	1.59	2.67	0.247	0.075	0	0	---	---	20
21	---	---	0.106	0.728	1.57	2.62	0.246	0.002	0	0	---	---	21
22	---	---	0.104	0.936	1.57	2.29	0.243	0.001	0	0	---	---	22
23	---	---	0.112	0.999	1.54	1.82	0.299	0	0	0	---	---	23
24	---	---	0.114	1.12	1.54	1.56	0.299	0	0	0	---	---	24
25	---	---	0.110	1.31	1.54	1.34	0.257	0	0	0	---	---	25
26	---	---	0.115	1.81	1.53	1.23	0.269	0	0	0	---	---	26
27	---	---	0.211	2.43	1.53	1.17	0.273	0	0	0	---	---	27
28	---	0.052A	0.232	0.968	1.53	1.15	0.275	0	0	0	---	---	28
29	---		0.224	0.118	1.54	1.14	0.271	0	0	0	---	---	29
30	---		0.201	0.011	1.54	1.10	0.268	0	0	0	---	---	30
31	---		0.161		1.52		0.265	0		0		---	31
TOTAL	---	---	2.309	65.309	33.153	60.02	9.937	4.086	0	0	---	---	TOTAL
MEAN	---	---	0.075	2.18	1.07	2.00	0.321	0.132	0	0	---	---	MEAN
MAX	---	---	0.232	10.3	2.12	2.85	1.09	0.262	0	0	---	---	MAX
MIN	---	---	0.001	0.011	0.008	1.10	0.098	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.714
MAXIMUM DAILY, 10.3 ON APR 05
MINIMUM DAILY, 0 ON AUG 13
MAXIMUM INSTANTANEOUS,
12.3 AT 10:54 CST ON APR 05

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 07 N
LONG 107 48 20 W
DRAINAGE AREA, 3 490 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	859
FEB	---	AUG	353
MAR	199	SEP	0
APR	5 640	OCT	0
MAY	2 860	NOV	---
JUN	5 190	DEC	---

TOTAL DISCHARGE, 15 100 dam³

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC051

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.179	0.089	1.96	1.11	0.178	0.008	0	---	---	1
2	---	---	---	0.144	0.048	1.71	1.10	0.199	0.006	0	---	---	2
3	---	---	---	0.124	0.984	1.76	1.06	0.194	0.004	0	---	---	3
4	---	---	---	0.564	1.29	1.99	0.503	0.192	0.002	0	---	---	4
5	---	---	---	6.87	1.30	2.03	0.273	0.219	0	0	---	---	5
6	---	---	---	7.97	1.81	2.98	0.315	0.211	0	0	---	---	6
7	---	---	---	6.87	1.94 A	3.20	0.171	0.199	0	0	---	---	7
8	---	---	---	4.33	0.819E	3.10	0.171	0.211	0	0	---	---	8
9	---	---	---	3.24	0.224A	2.88	0.226	0.191	0	0	---	---	9
10	---	---	---	3.42	0.092A	2.79	0.218	0.194	0	0	---	---	10
11	---	---	---	3.69	0.090E	2.68	0.236	0.195	0	0	---	---	11
12	---	---	---	1.66	0.089E	2.51	0.214	0.194	0	0	---	---	12
13	---	---	---	1.14	0.091E	2.29	0.208	0.183	0	0	---	---	13
14	---	---	---	1.24	0.610E	3.26	0.225	0.139	0	0	---	---	14
15	---	---	---	1.18	0.580E	3.07	0.224	0.051	0	0	---	---	15
16	---	---	---	1.15	0.524E	2.76	0.217	0.006	0	0	---	---	16
17	---	---	---	1.09	0.673E	3.00	0.213	0.010	0	0	---	---	17
18	---	---	---	0.815	1.28 E	3.19	0.218	0.204	0	0	---	---	18
19	---	---	---	0.637	2.03 E	2.60	0.205	0.238	0	0	---	---	19
20	---	---	---	0.608	1.90 E	2.94	0.207	0.247	0	0	---	---	20
21	---	---	---	0.606	1.82 E	2.91	0.173	0.260	0	0	---	---	21
22	---	---	---	0.759	1.78 E	2.78	0.170	0.223	0	0	---	---	22
23	---	---	---	0.931	1.92 E	2.29	0.155	0.152	0	0	---	---	23
24	---	---	---	0.972	2.07 E	1.90	0.242	0.061	0	0	---	---	24
25	---	---	---	1.15	2.12 E	1.55	0.261	0.026	0	0	---	---	25
26	---	---	---	1.36	2.04 E	1.37	0.280	0.012	0	0	---	---	26
27	---	---	---	2.14	1.86 E	1.24	0.277	0.003	0	0	---	---	27
28	---	---	---	1.94	1.86 E	1.17	0.225	0.023	0	0	---	---	28
29	---	---	0.241A	0.345	1.81 E	1.14	0.215	0.030	0	0	---	---	29
30	---		0.218	0.174	1.89 A	1.11	0.209	0.019	0	0	---	---	30
31	---		0.199		1.89		0.211	0.005		0		---	31
TOTAL	---	---	---	57.298	37.523	70.09	9.732	4.269	0.020	0	---	---	TOTAL
MEAN	---	---	---	1.91	1.21	2.34	0.314	0.138	0.001	0	---	---	MEAN
MAX	---	---	---	7.97	2.12	3.26	1.11	0.260	0.008	0	---	---	MAX
MIN	---	---	---	0.124	0.048	1.11	0.155	0.003	0	0	---	---	MIN

SUMMARY FOR THE MONTHS APR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.836
MAXIMUM DAILY, 7.97 ON APR 06
MINIMUM DAILY, 0 ON SEP 05
MAXIMUM INSTANTANEOUS,
8.48 AT 05:41 CST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 40 N
LONG 107 41 12 W
DRAINAGE AREA, 4 470 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	841
FEB	---	AUG	369
MAR	---	SEP	1.73
APR	4 950	OCT	0
MAY	3 240	NOV	---
JUN	6 060	DEC	---

TOTAL DISCHARGE, 15 500 dam³

FROBISHER INDEX RESERVOIR - STATION NO. 05ND006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.065E	29.077	28.954A	28.592	28.181	28.368	27.754	DRY	---	---	1
2	---	---	28.120E	29.083	28.944E	28.590	28.165	28.346	27.738	DRY	---	---	2
3	---	---	28.144E	29.083	28.936E	28.594	28.171	28.323	27.724A	DRY	---	---	3
4	---	---	28.160E	29.080	28.928E	28.581	28.153	28.294	27.706E	DRY	---	---	4
5	---	---	28.178E	29.079	28.917E	28.572	28.130	28.267	27.689E	DRY	---	---	5
6	---	---	28.189A	29.074	28.907E	28.557	28.118	28.242	27.674E	DRY	---	---	6
7	---	---	28.192E	29.070	28.897E	28.545	28.110	28.213	27.655E	DRY	---	---	7
8	---	---	28.196E	29.061	28.882E	28.535	28.091	28.182	27.637E	DRY	---	---	8
9	---	---	28.198E	29.058	28.870E	28.519	28.070	28.152	27.620E	DRY	---	---	9
10	---	---	28.203E	29.060	28.860E	28.499	28.279	28.124	DRY	DRY	---	---	10
11	---	---	28.210E	29.057	28.850E	28.479	28.604	28.099	DRY	DRY	---	---	11
12	---	---	28.269A	29.051	28.836E	28.463	28.583	28.075	DRY	DRY	---	---	12
13	---	---	28.496	29.048	28.824E	28.438	28.558	28.049	DRY	DRY	---	---	13
14	---	---	28.567	29.045	28.818E	28.417	28.534	28.022	DRY	DRY	---	---	14
15	---	---	28.585	29.039	28.816E	28.399	28.510	27.997	DRY	DRY	---	---	15
16	---	---	28.604	29.035	28.815E	28.386	28.486	27.969	DRY	DRY	---	---	16
17	---	---	28.618	29.028	28.795E	28.403	28.464	27.939	DRY	DRY	---	---	17
18	---	---	28.624	29.023	28.774E	28.397	28.442	27.937	DRY	DRY	---	---	18
19	---	---	28.638	29.016	28.760E	28.383	28.422	27.938	DRY	DRY	---	---	19
20	---	---	28.676	29.009	28.750E	28.364	28.399	27.924	DRY	DRY	---	---	20
21	---	---	28.698	28.999	28.740E	28.341	28.377	27.906	DRY	DRY	---	---	21
22	---	---	28.703	28.989	28.730E	28.318	28.357	27.889	DRY	DRY	---	---	22
23	---	---	28.705	28.982	28.718E	28.295	28.333	27.877A	DRY	DRY	---	---	23
24	---	---	28.705	28.974	28.706E	28.270	28.310	27.866E	DRY	DRY	---	---	24
25	---	---	28.703	28.979	28.695E	28.245	28.285	27.856E	DRY	DRY	---	---	25
26	---	---	28.704	28.979	28.687E	28.220	28.292	27.844E	DRY	DRY	---	---	26
27	---	---	28.733	28.971	28.678E	28.236	28.467	27.833E	DRY	DRY	---	---	27
28	---	---	28.778	28.967	28.660E	28.233	28.453	27.819A	DRY	DRY	---	---	28
29	---		28.816	28.964	28.641A	28.218	28.431	27.806	DRY	DRY	---	---	29
30	---		28.937	28.959	28.621	28.192	28.409	27.790	DRY	DRY	---	---	30
31	---		29.045		28.606		28.388	27.773		DRY		---	31
MEAN	---	---	28.499	29.028	28.794	28.409	28.341	28.023	***	DRY	---	---	MEAN
MAX	---	---	29.045	29.083	28.954	28.594	28.604	28.368	27.754	DRY	---	---	MAX
MIN	---	---	28.065	28.959	28.606	28.192	28.070	27.773	27.620	DRY	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.083 ON APR 02
MINIMUM DAILY, DRY ON OCT 01
MAXIMUM INSTANTANEOUS,
29.085 AT 17:33 CST ON APR 02
*** - MEAN IS NOT COMPUTED DUE TO DRY PERIODS WITHIN THE MONTH
WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 102 22 36 W

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
5.52 km²

GAFF DITCH NEAR MERRYFLAT - STATION NO. 11AB102

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.432	0.116	0.006	0.162	0.001	0.001	0	---	---	1
2	---	---	0 B	0.934	0.029	0.005	0.124	0.001	0.001	0	---	---	2
3	---	---	0 B	0.962	0.023	0.005	0.113	0.001	0.002	0	---	---	3
4	---	---	0 B	0.875	0.017	0.004	0.021	0.001	0.001	0	---	---	4
5	---	---	0 B	0.805B	0.008	0.004	0.010	0.002	0.002	0	---	---	5
6	---	---	0 B	0.685B	0.009	0.004	0.007	0.002	0.002	0	---	---	6
7	---	---	0 B	0.624B	0.008	0.003	0.004	0.002	0.002	0	---	---	7
8	---	---	0 B	0.617B	0.005	0.003	0.004	0.002	0.001	0	---	---	8
9	---	---	0 B	0.544B	0.004	0.003	0.003	0.002	0	0	---	---	9
10	---	---	0 B	0.501B	0.003	0.003	0.002	0.001	0.001	0	---	---	10
11	---	---	0 B	0.483B	0.003	0.004	0.002	0.001	0.001	0	---	---	11
12	---	---	0 B	0.541B	0.003	0.004	0.001	0.001	0.001	0	---	---	12
13	---	---	0 B	0.627B	0.003	0.005	0.001	0.001	0.001	0	---	---	13
14	---	---	0 B	0.657B	0.003	0.005	0.001	0.002	0.001	0	---	---	14
15	---	---	0 B	0.668B	0.003	0.006	0.001	0.002	0.001	0	---	---	15
16	---	---	0 B	0.673B	0.003	0.005	0.001	0.002	0	0	---	---	16
17	---	---	0 B	0.645B	0.004	0.004	0.001	0.002	0	0	---	---	17
18	---	---	0 B	0.643B	0.004	0.003	0.001	0.001	0	0	---	---	18
19	---	---	0 B	0.664	0.004	0.003	0.001	0.002	0	0	---	---	19
20	---	---	0 B	0.676	0.004	0.227	0.001	0.002	0	0	---	---	20
21	---	---	0 B	0.658	0.004	0.374	0.001	0.002	0	0	---	---	21
22	---	---	0 B	0.678	0.005	0.244	0.001	0.002	0	0	---	---	22
23	---	---	0 B	0.639	0.005	0.193	0.001	0.002	0	0	---	---	23
24	---	---	0 B	0.532	0.004	0.158	0.001	0.002	0	0	---	---	24
25	---	---	0 B	0.485	0.004	0.104	0.001	0.003	0	0	---	---	25
26	---	---	0 B	0.449	0.008	0.083	0.001	0.003	0	0	---	---	26
27	---	---	0 B	0.445	0.007	0.083	0.001	0.003	0	0	---	---	27
28	---	---	0 B	0.449	0.006	0.225	0.001	0.003	0	0	---	---	28
29	---	---	0	0.446	0.006	0.217	0.001	0.004	0	0	---	---	29
30	---		0.002	0.370	0.006	0.178	0.001	0.004	0	0	---	---	30
31	---		0.007		0.006		0.001	0.004		0		---	31
TOTAL	---	---	0.009	18.407	0.317	2.165	0.472	0.063	0.018	0	---	---	TOTAL
MEAN	---	---	0	0.614	0.010	0.072	0.015	0.002	0.001	0	---	---	MEAN
MAX	---	---	0.007	0.962	0.116	0.374	0.162	0.004	0.002	0	---	---	MAX
MIN	---	---	0	0.370	0.003	0.003	0.001	0.001	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 0.962 ON APR 03
MINIMUM DAILY, 0B ON MAR 01

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 05 N
LONG 109 50 07 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	40.8
FEB	---	AUG	5.44
MAR	0.778	SEP	1.56
APR	1.590	OCT	0
MAY	27.4	NOV	---
JUN	187	DEC	---

TOTAL DISCHARGE, 1 850 dam³

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.002B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.002B	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.001	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.001B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.002B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.003B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.007B	0	0	0	0	0	0	0	---	---	29
30	---		0.011B	0	0	0	0	0	0	0	---	---	30
31	---		0.007B		0		0	0		0		---	31
TOTAL	---	---	0.031	0.007	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.011	0.002	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.011B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.014B AT 17:42 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 51 N
LONG 101 31 36 W
DRAINAGE AREA, 712 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2.68	SEP	0
APR	0.605	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3.29 dam³

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO. 05HA069

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.120B	0.052B	0.032	0.023	0	0	0	0	---	---	1
2	---	0 B	0.131B	0.048B	0.029	0.018	0	0	0	0	---	---	2
3	---	0 B	0.133B	0.049B	0.029	0.022	0	0	0	0	---	---	3
4	---	0 B	0.165B	0.045	0.029	0.016	0	0	0	0	---	---	4
5	---	0 B	0.238B	0.043	0.028	0.018	0	0	0	0	---	---	5
6	---	0 B	0.299B	0.040	0.022	0.023	0	0	0	0	---	---	6
7	---	0 B	0.200B	0.040	0.021	0.014	0	0	0	0	---	---	7
8	---	0 B	0.080B	0.039	0.029	0.014	0	0	0	0	---	---	8
9	---	0 B	0.071B	0.047	0.026	0.009	0	0	0	0	---	---	9
10	---	0 B	0.065B	0.048	0.024	0.004	0	0	0	0	---	---	10
11	---	0 B	0.062B	0.043	0.024	0.002	0	0	0	0	---	---	11
12	---	0 B	0.057B	0.038	0.029	0.001	0	0	0	0	---	---	12
13	---	0 B	0.065B	0.037	0.030	0.002	0	0	0	0	---	---	13
14	---	0 B	0.071B	0.038	0.029	0.004	0	0	0	0	---	---	14
15	---	0 B	0.060B	0.041	0.029	0.006	0	0	0	0	---	---	15
16	---	0 B	0.056B	0.040	0.030	0.011	0	0	0	0	---	---	16
17	---	0 B	0.051B	0.038	0.030	0.006	0	0	0	0	---	---	17
18	---	0 B	0.051B	0.036	0.031	0.003	0	0	0	0	---	---	18
19	---	0 B	0.058B	0.035	0.045	0.001	0	0	0	0	---	---	19
20	---	0 B	0.065B	0.033	0.041	0.001	0	0	0	0	---	---	20
21	---	0 B	0.062B	0.037	0.046	0.001	0	0	0	0	---	---	21
22	---	0 B	0.061B	0.040	0.094	0	0	0	0	0	---	---	22
23	---	0 B	0.080B	0.036	0.112	0	0	0	0	0	---	---	23
24	---	0 B	0.063B	0.036	0.076	0	0	0	0	0	---	---	24
25	---	0 B	0.053B	0.034	0.068	0	0	0	0	0	---	---	25
26	---	0.029B	0.055B	0.038	0.067	0	0	0	0	0	---	---	26
27	---	0.092B	0.053B	0.041	0.071	0	0	0	0	0	---	---	27
28	---	0.121B	0.051B	0.037	0.079	0	0	0	0	0	---	---	28
29	---		0.052B	0.041	0.059	0	0	0	0	0	---	---	29
30	---		0.057B	0.037	0.049	0	0	0	0	0	---	---	30
31	---		0.056B		0.035		0	0		0		---	31
TOTAL	---	0.242	2.741	1.207	1.343	0.199	0	0	0	0	---	---	TOTAL
MEAN	---	0.009	0.088	0.040	0.043	0.007	0	0	0	0	---	---	MEAN
MAX	---	0.121	0.299	0.052	0.112	0.023	0	0	0	0	---	---	MAX
MIN	---	0	0.051	0.033	0.021	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.299B ON MAR 06
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
0.362B AT 11:30 CST ON MAR 06

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 13 N
LONG 109 38 15 W
DRAINAGE AREA, 235 km²
B - ICE CONDITIONS
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	20.9	AUG	0
MAR	237	SEP	0
APR	104	OCT	0
MAY	116	NOV	---
JUN	17.2	DEC	---

TOTAL DISCHARGE, 495 dam³

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05GG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.064B	0.486	0.059	0	0	0	0	---	---	1
2	---	---	0 B	0.152B	0.498	0.028	0	0	0	0	---	---	2
3	---	---	0 B	0.231B	0.506	0.012	0	0	0	0	---	---	3
4	---	---	0 B	0.267B	0.492	0.010	0	0	0	0	---	---	4
5	---	---	0 B	0.122B	0.530	0.005	0	0	0	0	---	---	5
6	---	---	0 B	0.230B	0.571	0	0	0	0	0	---	---	6
7	---	---	0 B	0.341B	0.576	0	0	0	0	0	---	---	7
8	---	---	0 B	0.269B	0.837	0	0	0	0	0	---	---	8
9	---	---	0 B	0.211B	0.819	0	0	0	0	0	---	---	9
10	---	---	0 B	0.223	0.867	0	0	0.008	0	0	---	---	10
11	---	---	0 B	0.340	0.896	0	0	0.033	0	0	---	---	11
12	---	---	0 B	0.483	0.862	0	0	0	0	0	---	---	12
13	---	---	0 B	0.729	0.833	0	0	0	0	0	---	---	13
14	---	---	0 B	0.617	0.814	0	0	0	0	0	---	---	14
15	---	---	0 B	0.556	0.845	0	0	0	0	0	---	---	15
16	---	---	0 B	0.419	0.807	0	0	0	0	0	---	---	16
17	---	---	0 B	0.286	0.721	0	0	0	0	0	---	---	17
18	---	---	0 B	0.116	0.674	0	0	0	0	0	---	---	18
19	---	---	0 B	0.049	0.771	0	0	0	0	0	---	---	19
20	---	---	0 B	0.057	0.795	0 A	0	0	0	0	---	---	20
21	---	---	0 B	0.048	0.600	0	0	0	0	0	---	---	21
22	---	---	0 B	0.026	0.584	0	0	0	0	0	---	---	22
23	---	---	0 B	0.025	0.491	0	0	0	0	0	---	---	23
24	---	---	0 B	0.016	0.409	0	0	0	0	0	---	---	24
25	---	---	0 B	0.019	0.350	0	0	0	0	0	---	---	25
26	---	---	0 B	0.089	0.296	0	0	0	0	0	---	---	26
27	---	---	0 B	0.314	0.277	0	0	0	0	0	---	---	27
28	---	---	0 B	0.366	0.243	0	0	0	0	0	---	---	28
29	---	---	0 B	0.428	0.162	0	0	0	0	0	---	---	29
30	---		0.013B	0.436	0.109	0	0	0	0	0	---	---	30
31	---		0.051B		0.059		0	0		0		---	31
TOTAL	---	---	0.064	7.529	17.780	0.114	0	0.041	0	0	---	---	TOTAL
MEAN	---	---	0.002	0.251	0.574	0.004	0	0.001	0	0	---	---	MEAN
MAX	---	---	0.051	0.729	0.896	0.059	0	0.033	0	0	---	---	MAX
MIN	---	---	0	0.016	0.059	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.104
MAXIMUM DAILY, 0.896 ON MAY 11
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.982 AT 13:40 CST ON MAY 11

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 23 38 N
LONG 105 36 39 W
DRAINAGE AREA, 903 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	3.54
MAR	5.53	SEP	0
APR	651	OCT	0
MAY	1 540	NOV	---
JUN	9.85	DEC	---

TOTAL DISCHARGE, 2 210 dam³

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO. 06DA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.7B	26.8B	29.9B	30.9	45.8	55.0	57.6	53.7	36.2	32.6	36.6	35.5	1
2	29.6B	27.2B	29.3B	30.8	45.2	55.4	58.5	53.5	37.4	31.1	37.5	35.7	2
3	29.7B	27.5B	29.7B	31.0	45.4	55.8	58.2	51.7	38.2	31.0	38.6	35.9	3
4	29.8B	27.6B	29.8B	30.9	45.4	55.6	59.1	50.6	38.8	33.2	38.3	35.7	4
5	29.5B	27.4B	29.7B	30.8	47.3	55.1	60.0	50.0	38.5	34.5	38.6	36.0	5
6	29.6B	27.6B	29.2B	31.1	50.0	54.4	59.8	48.8	38.4	35.0	38.6	36.0	6
7	29.4B	27.8B	28.7B	31.5	53.1	53.7	59.5	48.1	38.9	35.4	38.6	36.1	7
8	29.1B	27.8B	28.4B	31.9	56.5	53.1	59.0	46.5	38.3	35.4	38.4	36.6B	8
9	29.1B	27.7B	28.2B	32.0	59.1	51.9	59.1	45.1	38.1	36.1	38.6	36.9B	9
10	28.9B	26.7B	28.6B	32.1	61.3	51.1	59.1	44.1	37.7	35.6	38.3	36.1B	10
11	29.0B	26.2B	28.7B	32.1	63.2	50.4	59.0	43.1	36.7	35.5	36.9	36.0B	11
12	28.7B	25.4B	28.5B	31.9	64.1	52.0	58.8	42.4	36.5	36.0	35.3	35.9B	12
13	28.7B	25.1B	28.6B	31.9	64.2	54.5	57.9	41.2	36.5	36.0	34.7	35.6B	13
14	28.6B	25.5B	28.8B	32.0	64.2	57.4	56.8	40.3	36.2	36.4	35.2	35.5B	14
15	28.5B	26.4B	28.6B	32.0	64.3	59.3	56.5	39.8	36.1	36.8	35.9	35.3B	15
16	28.4B	27.1B	28.6B	31.7	63.9	60.4	56.2	38.7	36.1	36.7	35.9	35.0B	16
17	28.6B	27.5B	28.2B	31.8	63.9	60.4	55.7	38.2	35.7	36.7	36.4	34.5B	17
18	28.5B	28.2B	28.2B	31.9	64.0	60.5	55.2	37.5	35.8	36.7	37.3	34.4B	18
19	28.4B	28.2B	28.4B	32.2	64.1	60.8	54.5	36.8	34.8	37.1	37.4	34.0B	19
20	28.9B	28.1B	28.9B	32.5	64.2	60.3	54.4	36.6	34.4	37.7	36.8	33.5B	20
21	29.2B	28.5B	29.4B	33.8	64.0	60.0	54.5	35.9	34.2	38.2	36.4	33.1B	21
22	28.9B	28.5B	30.1B	35.8	64.3	60.0	54.2	35.8	35.0	38.3	37.1	32.8B	22
23	28.6B	29.1B	30.3B	38.0	64.4	59.5	53.4	37.1	34.6	38.7	37.0	32.6B	23
24	28.5B	29.3B	30.4B	41.2	64.1	58.9	52.4	38.2	34.5	39.1	36.3	32.7B	24
25	28.0B	29.7B	30.1B	43.1	63.5	57.5	51.8	38.4	34.4	39.2	35.5	32.6B	25
26	27.8B	30.0B	30.0B	44.2	62.7	56.9	51.2	38.4	34.4	39.4	34.4	32.4B	26
27	26.5B	29.7B	30.1B	44.9	60.1	56.2	50.4	38.2	33.7	39.1	33.9	32.3B	27
28	26.0B	30.1B	30.4B	45.4	59.9	57.2	54.6	38.3	33.5	38.3	33.7	32.3B	28
29	25.9B		30.5B	45.9	59.2	57.4	54.7	38.0	33.7	38.0	34.0	32.5B	29
30	26.2B		30.4B	46.2	58.5	56.8	54.7	37.4	33.0	36.6	34.9	32.1B	30
31	26.7B		30.7B		57.1		54.3	35.5		36.5		31.8B	31
TOTAL	883.0	776.8	909.4	1 051.5	1 826.8	1 697.3	1 741.1	1 297.9	1 080.3	1 126.9	1 097.1	1 067.4	TOTAL
MEAN	28.5	27.7	29.3	35.1	58.9	56.6	56.2	41.9	36.0	36.4	36.6	34.4	MEAN
MAX	29.8	30.1	30.7	46.2	64.4	60.8	60.0	53.7	38.9	39.4	38.6	36.9	MAX
MIN	25.9	25.1	28.2	30.8	45.2	50.4	50.4	35.5	33.0	31.0	33.7	31.8	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.9
MAXIMUM DAILY, 64.4 ON MAY 23
MINIMUM DAILY, 25.1B ON FEB 13
MAXIMUM INSTANTANEOUS,
64.6 AT 14:32 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 35 20 N
LONG 104 12 10 W
DRAINAGE AREA, 7 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	76 300	JUL	150 000
FEB	67 100	AUG	112 000
MAR	78 600	SEP	93 300
APR	90 800	OCT	97 400
MAY	158 000	NOV	94 800
JUN	147 000	DEC	92 200

TOTAL DISCHARGE, 1 260 000 dam³

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.83 B	0	0	0.011	0.107	0.002	0	---	---	1
2	---	---	0 B	1.17 B	0	0	0.011	0.065	0.002	0	---	---	2
3	---	---	0 B	0.927	0	0	2.68	0.034	0.003	0	---	---	3
4	---	---	0 B	0.579	0	0	2.10	0.016	0.001	0	---	---	4
5	---	---	0 B	0.363	0	0	1.20	0.007	0.001	0	---	---	5
6	---	---	0 B	0.268	0	0	0.621	0.003	0.001	0	---	---	6
7	---	---	0 B	0.171	0	0	0.455	0.001	0	0	---	---	7
8	---	---	0 B	0.098	0	0	0.345	0.001	0	0	---	---	8
9	---	---	0 B	0.060	0	0	0.243	0	0	0	---	---	9
10	---	---	0 B	0.038	0	0	0.167	0	0	0	---	---	10
11	---	---	0 B	0.025	0	0	0.249	0	0	0	---	---	11
12	---	---	0 B	0.017	0	0	0.226	0	0	0	---	---	12
13	---	---	0 B	0.015	0	0	0.119	0	0	0	---	---	13
14	---	---	0 B	0.013	0	0	0.067	0	0	0	---	---	14
15	---	---	0 B	0.011	0	0	0.034	0	0	0	---	---	15
16	---	---	0 B	0.010	0	0	0.015	0	0	0	---	---	16
17	---	---	0 B	0.008	0	0	0.005	0	0	0	---	---	17
18	---	---	0 B	0.006	0	0	0.001	0	0	0	---	---	18
19	---	---	0 B	0.005	0	0	0.001	0	0	0	---	---	19
20	---	---	0 B	0.003	0	0	0.002	0	0	0	---	---	20
21	---	---	0 B	0.001	0	0	0.002	0.088	0	0	---	---	21
22	---	---	0 B	0	0	0	0.001	0.203	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0.116	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0.065	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0.055	0	0	---	---	25
26	---	---	0 B	0	0	0	0.036	0.025	0	0	---	---	26
27	---	---	0 B	0	0	0	1.03	0.024	0	0	---	---	27
28	---	---	0 B	0	0	0.002	1.21	0.065	0	0	---	---	28
29	---	---	0 B	0	0	0.001	0.552	0.017	0	0	---	---	29
30	---		0 B	0	0	0	0.326	0.007	0	0	---	---	30
31	---		0.003B		0		0.191	0.003		0		---	31
TOTAL	---	---	0.003	5.618	0	0.003	11.899	0.902	0.010	0	---	---	TOTAL
MEAN	---	---	0	0.187	0	0	0.384	0.029	0	0	---	---	MEAN
MAX	---	---	0.003	1.83	0	0.002	2.68	0.203	0.003	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.075
MAXIMUM DAILY, 2.68 ON JUL 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
5.67 AT 03:34 CST ON JUL 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 02 N
LONG 104 20 11 W
DRAINAGE AREA, 528 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 030
FEB	---	AUG	77.9
MAR	0.259	SEP	0.864
APR	485	OCT	0
MAY	0	NOV	---
JUN	0.259	DEC	---

TOTAL DISCHARGE, 1 590 dam³

GIRARD CREEK NEAR CORONACH - STATION NO. 11AE015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.027B	0.054	0.042	0.039	0.271	0.102	0.063	0.087	0.086A	---	1
2	---	---	0.025B	0.089	0.051	0.049	4.03	0.091	0.065	0.097	---	---	2
3	---	---	0.027B	0.079	0.056	0.053	0.840	0.081	0.065	0.097	---	---	3
4	---	---	0.027B	0.079	0.064	0.133	0.253	0.079	0.071	0.094	---	---	4
5	---	---	0.032B	0.082	0.049	0.035	0.123	0.079	0.071	0.123	---	---	5
6	---	---	0.028B	0.084	0.054	0.038	0.081	0.076	0.071	0.110	---	---	6
7	---	---	0.029B	0.089	0.062	0.060	0.055	0.077	0.072	0.099	---	---	7
8	---	---	0.032B	0.087	0.052	0.062	0.043	0.078	0.076	0.097	---	---	8
9	---	0.041B	0.031B	0.066	0.060	0.042	0.039	0.080	0.074	0.105	---	---	9
10	---	0.045B	0.034B	0.046	0.058	0.048	0.050	0.079	0.063	0.102	---	---	10
11	---	0.048B	0.031	0.045E	0.063	0.051	0.066	0.080	0.072	0.096	---	---	11
12	---	0.050B	0.037	0.045E	0.060	0.045	0.069	0.078	0.077	0.094	---	---	12
13	---	0.035B	0.038	0.044E	0.058	0.049	0.070	0.071	0.087	0.094	---	---	13
14	---	0.030B	0.033	0.044	0.057	0.051	0.075	0.072	0.090	0.090	---	---	14
15	---	0.028B	0.039	0.051	0.066	0.056	0.078	0.071	0.088	0.088	---	---	15
16	---	0.025B	0.043	0.046	0.073	0.058	0.083	0.059	0.088	0.085	---	---	16
17	---	0.038B	0.037	0.044	0.043	0.056	0.097	0.062	0.089	0.084	---	---	17
18	---	0.028B	0.037	0.035	0.049	0.057	0.104	0.066	0.084	0.087	---	---	18
19	---	0.027B	0.037	0.040E	0.049	0.062	0.107	0.064	0.079	0.085	---	---	19
20	---	0.024B	0.038	0.045	0.054	0.056	0.100	0.061	0.082	0.086	---	---	20
21	---	0.023B	0.038	0.050	0.057	0.053	0.096	0.061	0.078	0.081	---	---	21
22	---	0.024B	0.039	0.054	0.046	0.045	0.097	0.073	0.076	0.080	---	---	22
23	---	0.025B	0.039	0.058	0.053	0.028	0.096	0.074	0.080	0.080	---	---	23
24	---	0.024B	0.038	0.053	0.045	0.029	0.098	0.071	0.056	0.077	---	---	24
25	---	0.026B	0.036	0.061	0.054	0.028	0.106	0.069	0.034	0.092	---	---	25
26	---	0.026B	0.036	0.053	0.054	0.031	0.613	0.068	0.019	0.081	---	---	26
27	---	0.026B	0.038	0.059	0.043	0.040	2.08	0.071	0.064	0.088	---	---	27
28	---	0.025B	0.036	0.055	0.046	0.041	0.241	0.066	0.064	0.088	---	---	28
29	---		0.034	0.064	0.052	0.036	0.160	0.064	0.049	0.087	---	---	29
30	---		0.041	0.058	0.048	0.035	0.131	0.065	0.055	0.084	---	---	30
31	---		0.057		0.035		0.105	0.061		0.080		---	31
TOTAL	---	---	1.094	1.754	1.653	1.466	10.457	2.249	2.102	2.818	---	---	TOTAL
MEAN	---	---	0.035	0.059	0.053	0.049	0.337	0.073	0.070	0.091	---	---	MEAN
MAX	---	---	0.057	0.089	0.073	0.133	4.03	0.102	0.090	0.123	---	---	MAX
MIN	---	---	0.025	0.035	0.035	0.028	0.039	0.059	0.019	0.077	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.096
MAXIMUM DAILY, 4.03 ON JUL 02
MINIMUM DAILY, 0.019 ON SEP 26
MAXIMUM INSTANTANEOUS,
7.52 AT 06:28 CST ON JUL 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 45 N
LONG 105 33 52 W
DRAINAGE AREA, 880 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	903
FEB	---	AUG	194
MAR	94.5	SEP	182
APR	152	OCT	243
MAY	143	NOV	---
JUN	127	DEC	---

TOTAL DISCHARGE, 2 040 dam³

REMARKS - THE PEAK DISCHARGE WAS NOT DEFINED BY DISCHARGE MEASUREMENT

GOOD SPIRIT LAKE NEAR CANORA - STATION NO. 05MB010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	484.488	484.536	484.469	484.396	484.295	484.201	---	---	1
2	---	---	---	---	---	484.585	484.470	484.393	484.288	484.196	---	---	2
3	---	---	---	---	484.494	484.566	484.472	484.408	484.298	484.203	---	---	3
4	---	---	---	---	---	484.543	484.479	484.383	484.279	484.215	---	---	4
5	---	---	---	---	---	484.570	484.478	484.376	484.279	484.202	---	---	5
6	---	---	---	---	484.494	484.559	484.461	484.371	484.282	484.197	---	---	6
7	---	---	---	---	---	484.562	484.468	484.363	484.273	484.186	---	---	7
8	---	---	---	---	484.504	484.555	484.470	484.373	484.278	484.181	---	---	8
9	---	---	---	---	---	484.549	484.472	484.368	484.271	484.176	---	---	9
10	---	---	---	---	484.504	484.547	484.465	484.348	484.260	484.185	---	---	10
11	---	---	---	---	---	484.543	484.463	484.346	484.260	484.195	---	---	11
12	---	---	---	---	484.514	484.532	484.462	484.342	484.247	484.161	---	---	12
13	---	---	---	---	---	484.533	484.453	484.339	484.263	484.168	---	---	13
14	---	---	---	---	---	484.530	484.448	484.344	484.241	484.178	---	---	14
15	---	---	---	---	484.506	484.518	484.458	484.329	484.243	484.170	---	---	15
16	---	---	---	---	---	484.511	484.449	484.339	484.221	484.171	---	---	16
17	---	---	---	---	484.526	484.515	484.440	484.345	484.226	484.168	---	---	17
18	---	---	---	---	---	484.518	484.449	484.325	484.230	484.151	---	---	18
19	---	---	---	---	---	484.520	484.439	484.315	484.222	484.165	---	---	19
20	---	---	---	---	484.530	484.521	484.436	484.313	484.230	484.166	---	---	20
21	---	---	---	---	---	484.515	484.423	484.311	484.230	484.156	---	---	21
22	---	---	---	---	---	484.506	484.418	484.309	484.220	484.158	---	---	22
23	---	---	---	---	484.542	484.500	484.409	484.310	484.210	484.163	---	---	23
24	---	---	---	---	---	484.496	484.410	484.315	484.215	484.146	---	---	24
25	---	---	---	---	---	484.496	484.412	484.335	484.208	484.151	---	---	25
26	---	---	---	---	---	484.492	484.402	484.320	484.220	484.151E	---	---	26
27	---	---	---	---	484.536	484.475	484.409	484.314	484.207	484.151E	---	---	27
28	---	---	---	---	---	484.497	484.413	484.316	484.213	484.150E	---	---	28
29	---		---	---	---	484.481	484.418	484.309	484.196	484.150	---	---	29
30	---		---	---	484.519	484.483	484.403	484.303	484.208	484.150E	---	---	30
31	---		---	---	484.520		484.398	484.305		484.150		---	31
MEAN	---	---	---	---	---	484.525	484.443	484.341	484.244	484.171	---	---	MEAN
MAX	---	---	---	---	---	484.585	484.479	484.408	484.298	484.215	---	---	MAX
MIN	---	---	---	---	---	484.475	484.398	484.303	484.196	484.146	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 484.585 ON JUN 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 08 N
LONG 102 39 22 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1987
DRAINAGE AREA,
820 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	8.72	0.095	0.008	0	0	0	0	---	---	1
2	---	---	0 B	6.92	0.113	0.004	0	0	0	0	---	---	2
3	---	---	0 B	4.88	0.121	0	0	0	0	0	---	---	3
4	---	---	0 B	4.04	0.129	0	0	0	0	0	---	---	4
5	---	---	0 B	3.51	0.240	0	0	0	0	0	---	---	5
6	---	---	0 B	2.19	0.219	0	0	0	0	0	---	---	6
7	---	---	0 B	1.83	0.152	0	0	0	0	0	---	---	7
8	---	---	0 B	1.11	0.180	0	0	0	0	0	---	---	8
9	---	---	0 B	0.570	0.192	0	0	0	0	0	---	---	9
10	---	---	0 B	0.464	0.207	0	0	0	0	0	---	---	10
11	---	---	0 B	0.402	0.184	0.006	0	0	0	0	---	---	11
12	---	---	0 B	0.266	0.138	0.002	0	0	0	0	---	---	12
13	---	---	0 B	0.181	0.115	0	0	0	0	0	---	---	13
14	---	---	0 B	0.134	0.101	0	0	0	0	0	---	---	14
15	---	---	0 B	0.100	0.081	0	0	0	0	0	---	---	15
16	---	---	0 B	0.096	0.076	0	0	0	0	0	---	---	16
17	---	---	0 B	0.221	0.069	0	0	0	0	0	---	---	17
18	---	---	0 B	0.170	0.065	0	0	0	0	0	---	---	18
19	---	---	0 B	0.122	0.060	0	0	0	0	0	---	---	19
20	---	---	0 B	0.131	0.059	0	0	0	0	0	---	---	20
21	---	---	0 B	0.222	0.064	0	0	0	0	0	---	---	21
22	---	---	0 B	0.267	0.065	0	0	0	0	0	---	---	22
23	---	---	0 B	0.284	0.059	0	0	0	0	0	---	---	23
24	---	---	0 B	0.315	0.052	0	0	0	0	0	---	---	24
25	---	---	0 B	0.211	0.041	0	0	0	0	0	---	---	25
26	---	---	0 B	0.128	0.031	0	0	0	0	0	---	---	26
27	---	---	0 B	0.085	0.025	0	0	0	0	0	---	---	27
28	---	---	0.002B	0.071	0.022	0	0	0	0	0	---	---	28
29	---	---	0.017B	0.065	0.018	0	0	0	0	0	---	---	29
30	---		0.032B	0.066	0.014	0	0	0	0	0	---	---	30
31	---		4.96 B		0.011		0	0		0		---	31
TOTAL	---	---	5.011	37.771	2.998	0.020	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.162	1.26	0.097	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	4.96	8.72	0.240	0.008	0	0	0	0	---	---	MAX
MIN	---	---	0	0.065	0.011	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.187
MAXIMUM DAILY, 8.72 ON APR 01
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
9.83 AT 15:47 CST ON APR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 54 28 N
LONG 104 50 18 W
DRAINAGE AREA, 510 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	433	SEP	0
APR	3 260	OCT	0
MAY	259	NOV	---
JUN	1.73	DEC	---

TOTAL DISCHARGE, 3 950 dam³

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.7	30.2B	27.0B	23.1	20.3	26.7	34.7	41.9	35.9	32.9	30.5	33.6	1
2	33.0	30.2B	26.9B	23.1	20.2	27.1	34.4	41.8	35.8	32.7	30.7	34.3	2
3	32.9	30.1B	26.8B	23.1	20.1	27.4	34.2	41.6	35.8	32.5	30.6	33.6	3
4	32.8	30.0B	26.7B	23.0	20.1	27.7	34.1	41.3	35.2	32.4	30.5	33.7	4
5	33.0	29.9B	26.6B	22.8	20.4	28.1	34.0	41.1	35.6	32.2	30.8	33.8	5
6	32.8	29.8B	26.5B	22.7	20.7	28.3	34.1	41.0	35.0	32.0	30.7	34.1	6
7	33.4B	29.7B	26.3B	22.8	20.9	28.6	34.5	41.1	35.0	31.8	30.8	33.9	7
8	32.4	29.6B	26.2B	22.7	20.8	29.0	34.8	40.7	34.7	31.5	31.0	33.6	8
9	32.0	29.5B	26.1B	22.5	20.9	29.1	34.6	40.2	34.5	31.6	31.2	33.5	9
10	31.7	29.3B	25.9B	22.3	21.1	29.6	34.5	39.9	34.2	31.7	31.1	33.5	10
11	31.6B	29.2B	25.8B	22.2	21.2	29.9	34.6	39.8	34.1	31.7	31.0	33.4	11
12	31.5B	29.1B	25.7B	22.0	21.1	30.4	34.6	39.9	33.7	31.2	30.8	33.4	12
13	31.4B	29.0B	25.6	21.8	21.1	30.6	35.7	40.3	33.7	30.9	31.1	33.4	13
14	31.3	28.8B	25.6	21.7	21.3	30.6	36.8	40.1	33.8	30.9	31.6	33.3	14
15	31.2	28.7B	25.7	21.7	21.5	30.8	38.1	39.4	33.7	31.1	31.6	33.3	15
16	31.2	28.6B	25.6B	21.5	21.6	30.9	40.9	39.1	33.7	30.9	31.6	33.2	16
17	31.1B	28.5B	25.6B	21.4	21.6	31.3	42.0	38.6	33.8	30.8	31.8	33.0B	17
18	31.1B	28.3B	25.6	21.3	21.8	31.4	43.6	37.8	33.8	30.7	31.9	33.0B	18
19	31.1B	28.2B	25.1	21.3	22.1	31.5	44.1	37.6	33.5	30.8	31.8	33.0B	19
20	31.1B	28.1B	24.9	21.2	22.2	31.6	43.7	37.4	33.3	31.0	31.7	33.0B	20
21	31.1B	28.0B	24.8	21.3	22.6	31.8	43.6	37.2	33.2	31.2	32.0	33.0B	21
22	31.1	27.9B	24.6	21.3	23.1	32.1	43.6	37.2	33.0	31.2	32.5	32.9B	22
23	30.9	27.7B	24.5	21.4	23.4	32.4	43.8	37.5	33.1	31.2	33.0	32.9B	23
24	30.9	27.6B	24.4	21.2	23.7	32.7	43.5	37.5	33.1	31.0	33.1	32.9B	24
25	30.7	27.4B	24.0	21.0	24.8	32.4	43.0	37.4	33.1	31.1	33.0	32.8B	25
26	30.6B	27.3B	23.9	20.8	24.9	32.2	43.1	37.0	33.2	31.2	32.9	32.8B	26
27	30.6B	27.2B	23.7	20.7	25.2	32.3	43.8	36.6	33.4	31.4	32.9	32.7B	27
28	30.5B	27.1B	23.6	20.6	25.4	33.6	43.4	36.7	33.3	30.7	32.9	32.7B	28
29	30.4B		23.6	20.6	25.8	34.4	42.7	37.0	33.0	30.8	33.2	32.6B	29
30	30.3B		23.4	20.4	26.2	34.5	42.5	37.1	33.1	30.5	33.3	32.5B	30
31	30.3B		23.3		26.5		42.2	36.7		30.5		32.5B	31
TOTAL	976.7	805.0	784.0	653.5	693.2	919.0	1 213.2	1 208.4	1 020.6	971.9	951.6	1 030.0	TOTAL
MEAN	31.5	28.8	25.3	21.8	22.4	30.6	39.1	39.0	34.0	31.4	31.7	33.2	MEAN
MAX	33.4	30.2	27.0	23.1	26.5	34.5	44.1	41.9	35.9	32.9	33.3	34.3	MAX
MIN	30.3	27.1	23.3	20.4	20.1	26.7	34.0	36.6	33.0	30.5	30.5	32.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.7
MAXIMUM DAILY, 44.1 ON JUL 19
MINIMUM DAILY, 20.1 ON MAY 03
MAXIMUM INSTANTANEOUS,
44.5 AT 23:17 CST ON JUL 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 32 50 N
LONG 106 24 40 W
DRAINAGE AREA, 4 840 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	84 400	JUL	105 000
FEB	69 600	AUG	104 000
MAR	67 700	SEP	88 200
APR	56 500	OCT	84 000
MAY	59 900	NOV	82 200
JUN	79 400	DEC	89 000

TOTAL DISCHARGE, 970 000 dam³

GREENWATER LAKE NEAR CHELAN - STATION NO. 05LB011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	532.647	532.639	532.593	---	---	---	---	1
2	---	---	---	---	---	532.636	---	---	---	---	---	---	2
3	---	---	---	---	---	532.628	---	---	---	---	---	---	3
4	---	---	---	---	---	---	532.657	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	532.640	---	532.542	---	---	---	---	6
7	---	---	---	---	---	532.644	532.644	532.547	---	---	---	---	7
8	---	---	---	---	---	532.638	532.641	---	---	---	---	---	8
9	---	---	---	---	---	532.645	---	532.537	---	---	---	---	9
10	---	---	---	---	---	---	532.640	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	532.634	532.629	---	---	---	---	---	12
13	---	---	---	---	---	---	532.628	---	---	---	---	---	13
14	---	---	---	---	532.650	---	532.628	---	---	---	---	---	14
15	---	---	---	---	---	532.626	532.622	532.531	---	---	532.330	---	15
16	---	---	---	---	---	532.626	---	---	---	---	---	---	16
17	---	---	---	---	---	532.624	---	---	---	---	---	---	17
18	---	---	---	---	---	532.624	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	532.600	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	532.609	532.600	532.491	---	---	---	---	22
23	---	---	---	---	532.658	532.609	---	532.487	---	---	---	---	23
24	---	---	---	---	532.658	532.604	---	532.487	---	---	---	---	24
25	---	---	---	---	532.658	532.599	532.596	---	---	---	---	---	25
26	---	---	---	---	532.658	---	---	---	---	---	---	---	26
27	---	---	---	---	532.655	---	---	---	---	---	---	---	27
28	---	---	---	---	532.653	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	532.474	---	---	---	---	29
30	---		---	---	---	532.639	---	---	---	---	---	---	30
31	---		---		532.647		532.593	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 44 N
LONG 103 31 20 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
157 km²

GREIG LAKE NEAR DORINTOSH - STATION NO. 06AF010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	475.989	---	---	---	---	1
2	---	---	---	---	---	---	---	475.987	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	476.038	475.980	---	---	---	---	4
5	---	---	---	---	---	---	---	475.976	---	---	---	---	5
6	---	---	---	---	---	---	---	475.973	---	---	---	---	6
7	---	---	---	---	---	---	476.037	---	---	---	---	---	7
8	---	---	---	---	---	---	476.035	475.960	---	---	---	---	8
9	---	---	---	---	---	---	476.031	475.957	---	---	---	---	9
10	---	---	---	---	---	---	476.033	475.955	---	---	---	---	10
11	---	---	---	---	---	---	476.034	475.955	---	---	---	---	11
12	---	---	---	---	---	---	---	475.951	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	475.945	---	---	---	---	14
15	---	---	---	---	---	---	---	475.943	---	---	475.743	---	15
16	---	---	---	---	---	476.009	---	475.935	---	---	---	---	16
17	---	---	---	---	---	476.009	---	475.935	---	---	---	---	17
18	---	---	---	---	---	476.005	---	475.935	---	---	---	---	18
19	---	---	---	---	---	476.002	---	475.933	---	---	---	---	19
20	---	---	---	---	---	---	---	475.931	---	---	---	---	20
21	---	---	---	---	---	476.003	---	475.931	---	---	---	---	21
22	---	---	---	---	---	476.003	---	475.929	---	---	---	---	22
23	---	---	---	---	---	476.004	476.003	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	475.996	475.993	475.914	---	---	---	---	25
26	---	---	---	---	---	475.996	475.992	475.912	---	---	---	---	26
27	---	---	---	---	---	475.994	475.990	---	---	---	---	---	27
28	---	---	---	---	---	475.988	---	---	---	---	---	---	28
29	---		---	---	476.017	---	475.992	---	---	---	---	---	29
30	---		---	---	---	475.987	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 10 N
LONG 108 41 38 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
66 km²

HARRIS RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA074

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	850.277A	852.068	852.464	852.777	852.694	852.548	852.235	852.090	---	---	1
2	---	---	850.281	852.141	852.485	852.772	852.675	852.543	852.235	852.074	---	---	2
3	---	---	850.281	852.220	852.529	852.777	852.657	852.539	852.235	852.049	---	---	3
4	---	---	850.283	852.287	852.570	852.777	852.644	852.535	852.235	852.022	---	---	4
5	---	---	850.284	852.322	852.613	852.758	852.644	852.531	852.212	851.991	---	---	5
6	---	---	850.285	852.337	852.625	852.757	852.645	852.524	852.204	851.960	---	---	6
7	---	---	850.288	852.347	852.654	852.756	852.636	852.516	852.199	851.940	---	---	7
8	---	---	850.311	852.354	852.633	852.758	852.640	852.510	852.191	851.937	---	---	8
9	---	---	850.428	852.358	852.652	852.755	852.637	852.505	852.187	851.938	---	---	9
10	---	---	850.508	852.366	852.663	852.753	852.626	852.500	852.187	851.928	---	---	10
11	---	---	850.558	852.372	852.681	852.739	852.618	852.492	852.178	851.927	---	---	11
12	---	---	850.590	852.380	852.695	852.720	852.614	852.489	852.170	851.930	---	---	12
13	---	---	850.614	852.386	852.708	852.720	852.595	852.483	852.159	851.922	---	---	13
14	---	850.251A	850.637	852.391	852.721	852.731	852.586	852.483	852.158	851.920	---	---	14
15	---	---	850.656	852.394	852.723	852.732	852.573	852.468	852.159	851.915	---	---	15
16	---	---	850.674	852.399	852.732	852.730	852.561	852.430	852.154	851.916	---	---	16
17	---	---	850.686	852.413	852.740	852.726	852.550	852.403	852.139	851.921	---	---	17
18	---	---	850.688	852.427	852.743	852.721	852.544	852.386	852.135	851.920	---	---	18
19	---	---	850.684	852.440	852.739	852.713	852.544	852.376	852.125	851.909	---	---	19
20	---	---	850.684	852.444	852.750	852.717	852.552	852.304	852.115	851.909	---	---	20
21	---	---	850.893	852.446	852.762	852.721	852.556	852.295	852.110	851.909	---	---	21
22	---	---	851.211	852.456	852.777	852.722	852.556	852.285	852.110	851.904	---	---	22
23	---	---	851.293	852.458	852.786	852.719	852.552	852.276	852.111	851.901	---	---	23
24	---	---	851.333	852.464	852.786	852.720	852.546	852.268	852.108	851.903	---	---	24
25	---	---	851.358	852.473	852.768	852.714	852.538	852.269	852.105	851.900	---	---	25
26	---	---	851.369	852.474	852.788	852.710	852.541	852.266	852.102	851.881	---	---	26
27	---	---	851.370	852.480	852.793	852.701	852.552	852.267	852.106	851.889	---	---	27
28	---	---	851.406	852.451	852.801	852.697	852.550	852.259	852.102	851.880	---	---	28
29	---		851.554	852.428	852.794	852.697	852.539	852.256	852.107	851.871	---	---	29
30	---		851.774	852.446	852.785	852.696	852.538	852.250	852.091	851.871E	---	---	30
31	---		851.952		852.763		852.541	852.237		851.871E			31
MEAN	---	---	850.813	852.381	852.701	852.733	852.589	852.402	852.155	851.932	---	---	MEAN
MAX	---	---	851.962	852.480	852.801	852.777	852.694	852.548	852.235	852.090	---	---	MAX
MIN	---	---	850.277	852.068	852.464	852.696	852.538	852.237	852.091	851.871	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 852.801 ON MAY 28
MINIMUM DAILY, 850.251A ON FEB 14
MAXIMUM INSTANTANEOUS,
852.806 AT 17:42 CST ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 03 N
LONG 109 30 25 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
14.2 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM

REMARKS - THE MAXIMUM INSTANTEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 06BD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.91B	6.85B	7.19B	9.71B	25.1B	19.9	15.4	14.3	9.14	9.20	10.9 B	8.20B	1
2	9.64B	6.97B	7.25B	9.58B	26.0B	20.0	16.0	13.8	9.52	9.37	10.6 B	8.22B	2
3	9.42B	6.87B	7.62B	9.61B	28.1B	19.8	16.7	13.5	9.77	10.0	10.6 B	8.26B	3
4	9.27B	7.03B	7.79B	9.28B	28.6	19.4	17.2	13.2	9.88	10.5	10.2 B	8.29B	4
5	8.91B	7.03B	7.93B	9.06B	29.0	18.9	17.7	12.8	9.89	10.7	9.91B	8.32B	5
6	8.58B	7.32B	8.04B	9.24B	30.2	18.6	17.9	12.5	9.91	10.8	9.75B	8.36B	6
7	8.26B	7.27B	8.15B	9.17B	30.4	18.2	18.4	12.0	9.93	10.6	10.2 B	8.40B	7
8	8.21B	7.23B	8.35B	8.98B	30.2	17.8	19.1	11.8	9.97	10.5	11.1 B	8.45B	8
9	8.14B	7.16B	8.57B	8.92B	30.0	17.5	18.9	11.5	9.95	10.5	10.5 B	8.52B	9
10	8.12B	7.09B	8.47B	8.90B	29.9	17.0	18.6	11.2	9.95	11.3	9.08B	8.47B	10
11	8.00B	7.12B	8.34B	8.90B	29.4	17.1	18.4	10.9	9.97	12.2	9.16B	8.61B	11
12	7.62B	7.23B	8.29B	8.86B	29.0	17.4	18.1	10.7	9.97	12.4	9.29B	8.58B	12
13	7.84B	7.12B	8.28B	8.69B	28.3	17.4	17.6	10.7	9.94	12.4	9.75B	8.52B	13
14	8.10B	6.94B	8.24B	8.79B	28.0	17.2	17.0	10.7	9.94	12.4	10.1 B	8.45B	14
15	8.18B	6.96B	8.23B	8.87B	27.8	16.9	17.0	10.5	9.90	12.3	10.2 B	8.40B	15
16	8.45B	7.00B	8.41B	8.62B	27.2	16.5	16.9	10.3	9.88	11.9	10.2 B	8.33B	16
17	8.44B	6.95B	8.37B	8.68B	26.7	16.0	16.6	10.0	9.88	11.5	9.88B	8.22B	17
18	8.63B	7.11B	8.26B	8.91B	26.2	15.7	16.4	9.77	9.86	13.0	9.70B	8.16B	18
19	8.46B	7.66B	8.47B	9.68B	26.1	15.6	16.6	9.58	9.62	12.3	9.40B	7.74B	19
20	8.51B	7.33B	8.15B	10.2 B	25.6	15.7	16.5	9.33	9.58	12.4	9.13B	7.74B	20
21	8.31B	7.34B	8.01B	11.4 B	25.1	15.8	16.2	9.20	9.59	11.5	8.86B	7.78B	21
22	8.24B	7.41B	8.16B	14.5 B	24.4	15.9	15.8	8.99	9.57	11.7	8.75B	7.88B	22
23	8.17B	7.27B	8.15B	18.4 B	23.9	15.7	15.6	8.83	9.51	12.7	8.34B	7.95B	23
24	8.09B	7.17B	8.29B	22.6 B	23.3	15.4	15.4	8.65	9.51	13.2	8.16B	7.97B	24
25	8.13B	7.13B	8.24B	26.3 B	22.6	14.9	14.9	8.54	9.56	12.7	8.11B	7.90B	25
26	8.17B	7.15B	8.36B	25.0 B	21.9	14.5	14.5	8.38	9.43	13.8	8.08B	7.80B	26
27	7.86B	6.97B	8.53B	24.4 B	21.2	14.3	14.3	8.24	9.43	13.2	8.09B	7.72B	27
28	7.60B	7.14B	8.66B	24.6 B	20.3	14.6	15.1	8.19	9.29	11.9	8.12B	7.64B	28
29	7.45B		8.86B	23.7 B	19.6	15.1	15.1	8.09	9.18	13.5	8.14B	7.37B	29
30	7.15B		9.13B	23.3 B	18.9	15.1	14.9	8.02	9.20	10.9	8.16B	7.76B	30
31	6.99B		9.65B		18.5		14.7	8.69		10.4		7.98B	31
TOTAL	256.85	199.32	256.24	396.85	801.5	503.9	513.5	322.90	290.71	362.77	282.46	251.99	TOTAL
MEAN	8.29	7.12	8.27	13.2	25.9	16.8	16.6	10.4	9.69	11.7	9.42	8.13	MEAN
MAX	9.91	7.34	9.65	26.3	30.4	20.0	19.1	14.3	9.97	13.8	11.1	8.61	MAX
MIN	6.99	6.85	7.19	8.62	18.5	14.3	14.3	8.02	9.14	9.20	8.08	7.37	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.2
MAXIMUM DAILY, 30.4 ON MAY 07
MINIMUM DAILY, 6.85B ON FEB 01
MAXIMUM INSTANTANEOUS,
30.5 AT 18:56 CST ON MAY 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 40 N
LONG 106 33 40 W
DRAINAGE AREA, 3 680 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	22 200	JUL	44 400
FEB	17 200	AUG	27 900
MAR	22 100	SEP	25 100
APR	34 300	OCT	31 300
MAY	69 200	NOV	24 400
JUN	43 500	DEC	21 800

TOTAL DISCHARGE, 383 000 dam³

HAY MEADOW CREEK NEAR LISIEUX - STATION NO. 11AE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.018B	0.021B	0.439B	0.121	0.039	0.223	0.268	0.014	0.012	---	---	1
2	---	0.018B	0.020B	0.282B	0.123	0.036	0.178	0.153	0.016	0.014	---	---	2
3	---	0.018B	0.032B	0.203B	0.108	0.035	0.147	0.091	0.017	0.010	---	---	3
4	---	0.018B	0.043B	0.182	0.114	0.033	0.124	0.059	0.018	0.009	---	---	4
5	---	0.018B	0.055B	0.142	0.122	0.028	0.111	0.037	0.016	0.009	---	---	5
6	---	0.018B	0.066B	0.134	0.105	0.025	0.091	0.026	0.016	0.010	---	---	6
7	---	0.018B	0.076B	0.108	0.091	0.021	0.083	0.016	0.022	0.009	---	---	7
8	---	0.018B	0.085B	0.093	0.083	0.022	0.077	0.010	0.020	0.012	---	---	8
9	---	0.018B	0.146B	0.078	0.082	0.014	0.075	0.008	0.017	0.012	---	---	9
10	---	0.018B	0.342B	0.074	0.080	0.013	0.073	0.009	0.017	0.012	---	---	10
11	---	0.017B	0.273B	0.070	0.077	0.025	0.070	0.010	0.017	0.012	---	---	11
12	---	0.016B	0.226B	0.080	0.073	0.020	0.068	0.010	0.014	0.014	---	---	12
13	---	0.016B	0.093B	0.086	0.074	0.016	0.063	0.008	0.016	0.015	---	---	13
14	---	0.016B	0.055B	0.080	0.071	0.018	0.064	0.007	0.016	0.014	---	---	14
15	---	0.016B	0.065B	0.077	0.084	0.019	0.066	0.009	0.015	0.015	---	---	15
16	---	0.016B	0.309B	0.073	0.113	0.022	0.068	0.010	0.016	0.016	---	---	16
17	---	0.017B	0.322B	0.070	0.103	0.017	0.065	0.012	0.014	0.009	---	---	17
18	---	0.018B	0.165B	0.070	0.084	0.011	0.063	0.017	0.015	0.001	---	---	18
19	---	0.019B	0.083B	0.071	0.081	0.012	0.067	0.018	0.015	0.001	---	---	19
20	---	0.020B	0.033B	0.074	0.085	0.012	0.070	0.019	0.014	0.005	---	---	20
21	---	0.020B	0.016B	0.072	0.096	0.010	0.073	0.015	0.014	0.008	---	---	21
22	---	0.021B	0.031B	0.073	0.088	0.006	0.072	0.013	0.016	0.014	---	---	22
23	---	0.022B	0.099B	0.079	0.075	0.005	0.067	0.012	0.014	0.015	---	---	23
24	---	0.021B	0.097B	0.083	0.063	0.004	0.062	0.012	0.013	0.014	---	---	24
25	---	0.022B	0.072B	0.099	0.061	0.003	0.075	0.015	0.013	0.015	---	---	25
26	---	0.021B	0.083B	0.110	0.064	0.005	0.401	0.026	0.012	0.016	---	---	26
27	---	0.022B	0.139B	0.123	0.065	0.046	3.07	0.034	0.014	0.014	---	---	27
28	---	0.022B	0.183B	0.106	0.059	0.053	2.24	0.030	0.014	0.014	---	---	28
29	---		0.212B	0.106	0.051	0.070	1.42	0.022	0.014	0.013	---	---	29
30	---		0.355B	0.095	0.042	0.166	0.920	0.019	0.014	0.014	---	---	30
31	---		0.574B		0.042		0.490	0.016		0.016		---	31
TOTAL	---	0.522	4.373	3.432	2.580	0.806	10.736	1.011	0.463	0.364	---	---	TOTAL
MEAN	---	0.019	0.141	0.114	0.083	0.027	0.346	0.033	0.015	0.012	---	---	MEAN
MAX	---	0.022	0.574	0.439	0.123	0.166	3.07	0.268	0.022	0.016	---	---	MAX
MIN	---	0.016	0.016	0.070	0.042	0.003	0.062	0.007	0.012	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS FEB TO OCT

MEAN, 0.089
MAXIMUM DAILY, 3.07 ON JUL 27
MINIMUM DAILY, 0.001 ON OCT 18
MAXIMUM INSTANTANEOUS,
5.03 AT 14:01 CST ON JUL 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 16 13 N
LONG 105 58 22 W
DRAINAGE AREA, 187 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	928
FEB	45.1	AUG	87.4
MAR	378	SEP	40.0
APR	297	OCT	31.4
MAY	223	NOV	---
JUN	69.6	DEC	---

TOTAL DISCHARGE, 2 100 dam³

REMARKS - THE PEAK PERIOD IN JULY WAS NOT DEFINED BY DISCHARGE MEASUREMENT

HUFF LAKE - STATION NO. 11AC063

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	813.638A	815.692A	815.726	814.105	814.135	812.789	813.572	813.714	---	---	1
2	---	---	813.734A	815.731	815.708	814.044	814.144	812.754	813.670	813.712	---	---	2
3	---	---	813.847A	815.867	815.703	813.981	814.173	812.699	813.738	813.708A	---	---	3
4	---	---	813.953A	815.848A	815.705	813.928	814.173	812.633	813.772	813.692A	---	---	4
5	---	---	814.072A	815.737A	815.686	813.905	814.174	812.571	813.799	813.686	---	---	5
6	---	---	814.202A	815.715A	815.667	813.902	814.205	812.545	813.812	813.683	---	---	6
7	---	---	814.340	815.707A	815.658A	813.903	814.226	812.520	813.819	813.676	---	---	7
8	---	---	814.476	815.725	815.658E	813.910	814.235	812.505	813.821	813.674	---	---	8
9	---	---	814.583A	815.730A	815.680A	813.905	814.245	812.517	813.817	813.672	---	---	9
10	---	---	814.697A	815.704A	815.701	813.924	814.272	812.534	813.816	813.675	---	---	10
11	---	---	814.841	815.683A	815.698	813.952	814.283	812.545	813.815	813.668	---	---	11
12	---	---	815.058A	815.700	815.673	813.958	814.293	812.547	813.809	813.667	---	---	12
13	---	---	815.423A	815.709	815.661	813.963	814.303	812.549	813.804	813.668	---	---	13
14	---	---	815.726A	815.708	815.636	813.986	814.312	812.547	813.796	813.666	---	---	14
15	---	---	815.726	815.703	815.631	814.025	814.316	812.544	813.793	813.663	---	---	15
16	---	---	815.699A	815.700	815.615	814.051	814.286	812.538	813.786	813.660	---	---	16
17	---	---	815.706A	815.688	815.566	814.011	814.196	812.531	813.781	813.657	---	---	17
18	---	---	815.662A	815.707	815.488	813.965	814.087	812.533	813.776	813.658	---	---	18
19	---	---	815.622A	815.722	815.417	813.962	813.959	812.531	813.772	813.659	---	---	19
20	---	---	815.647A	815.718	815.317	813.966	813.826	812.529	813.766	813.652	---	---	20
21	---	---	815.676A	815.705	815.214	814.002	813.672	812.530	813.759	813.650	---	---	21
22	---	---	815.617A	815.725	815.105	814.019	813.519	812.534	813.751	813.652	---	---	22
23	---	---	815.592A	815.729	814.998	814.031	813.366	812.572	813.749	813.646	---	---	23
24	---	---	815.642A	815.710	814.882	814.039	813.213	812.669	813.747	813.644	---	---	24
25	---	813.448E	815.736A	815.719	814.771	814.039	813.060	812.779	813.742	813.644	---	---	25
26	---	813.478E	815.894A	815.682	814.658	814.046	812.968	812.899	813.737	813.640	---	---	26
27	---	813.518E	815.834A	815.656	814.528	814.062	812.926	813.007	813.729	813.642	---	---	27
28	---	813.572A	815.699A	815.681	814.389	814.083	812.911	813.113	813.723	813.660	---	---	28
29	---		815.686A	815.726	814.264	814.107	812.904	813.247	813.721	813.678	---	---	29
30	---		815.697A	815.739	814.195	814.122	812.881	813.378	813.718	813.690A	---	---	30
31	---		815.687		814.155		812.823	813.484		813.705E		---	31
MEAN	---	---	815.142	815.719	815.282	813.997	813.809	812.699	813.764	813.670	---	---	MEAN
MAX	---	---	815.894	815.867	815.726	814.122	814.316	813.484	813.821	813.714	---	---	MAX
MIN	---	---	813.638	815.656	814.155	813.902	812.823	812.505	813.572	813.640	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 16 N
LONG 107 53 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 300 km²

MAXIMUM DAILY, 815.894A ON MAR 26

MAXIMUM INSTANTANEOUS,
815.921 AT 19:07 CST ON MAR 26

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -.064 m ADJUSTMENT TO CONVERT TO TOPOGRAPHIC SURVEY DATUM

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC065

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.540	0	0.055	0	0	---	---	1
2	---	---	0	0	0	0.559	0	0.053	0	0	---	---	2
3	---	---	0	0	0	0.473	0	0.052	0	0	---	---	3
4	---	---	0	0	0	0.152	0	0.038	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0.746	0	0	0	0	0	---	---	7
8	---	---	0	0	0.691	0	0	0	0	0	---	---	8
9	---	---	0	0	0.654	0	0	0	0	0	---	---	9
10	---	---	0	0	0.596	0	0	0	0	0	---	---	10
11	---	---	0	0	0.714	0	0	0	0	0	---	---	11
12	---	---	0	0	0.613	0	0	0	0	0	---	---	12
13	---	---	0	0	0.547	0	0	0	0	0	---	---	13
14	---	---	0	0	0.637	0	0	0	0	0	---	---	14
15	---	---	0	0	0.606	0	0.330	0	0	0	---	---	15
16	---	---	0	0	0.814	0	0.737	0	0	0	---	---	16
17	---	---	0	0	1.05	0	0.739	0	0	0	---	---	17
18	---	---	0	0	0.867	0	0.747	0	0	0	---	---	18
19	---	---	0	0	0.825	0	0.656	0	0	0	---	---	19
20	---	---	0	0	0.747	0	0.585	0	0	0	---	---	20
21	---	---	0	0	0.892	0	0.474	0	0	0	---	---	21
22	---	---	0	0	0.943	0	0.346	0	0	0	---	---	22
23	---	---	0	0	0.891	0	0.215	0	0	0	---	---	23
24	---	---	0	0	0.920	0	0.117	0	0	0	---	---	24
25	---	---	0	0	0.885	0	0.069	0	0	0	---	---	25
26	---	0	0	0	0.944	0	0.059	0	0	0	---	---	26
27	---	0	0	0	0.938	0	0.059	0	0	0	---	---	27
28	---	0	0	0	0.816	0	0.054	0	0	0	---	---	28
29	---		0	0	0.634	0	0.061	0	0	0	---	---	29
30	---		0	0	0.599	0	0.061	0	0	0	---	---	30
31	---		0		0.631		0.056	0		0		---	31
TOTAL	---	---	0	0	19.200	1.724	5.365	0.198	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.619	0.058	0.173	0.006	0	0	---	---	MEAN
MAX	---	---	0	0	1.05	0.559	0.747	0.055	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.108
MAXIMUM DAILY, 1.05 ON MAY 17
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 10 N
LONG 107 53 06 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	464
FEB	---	AUG	17.1
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 660	NOV	---
JUN	149	DEC	---

TOTAL DISCHARGE, 2 290 dam³

HUFF LAKE PUMPING CANAL - STATION NO. 11AC066

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0.271	0	0	---	---	1
2	---	---	0	0	0	0	0	0.270	0	0	---	---	2
3	---	---	0	0	0	0	0	0.268	0	0.019	---	---	3
4	---	---	0	0	0	0	0	0.266	0	0.013	---	---	4
5	---	---	0	0	0	0	0	0.104	0	0	---	---	5
6	---	---	0	0	0	0.287	0	0	0	0	---	---	6
7	---	---	0	0	0.530	0.269	0	0	0	0	---	---	7
8	---	---	0	0	0.706	0.304	0	0	0	0	---	---	8
9	---	---	0	0	0.708	0.209	0	0	0	0	---	---	9
10	---	---	0	0	0.679	0	0	0	0	0	---	---	10
11	---	---	0	0	0.709	0	0	0	0	0	---	---	11
12	---	---	0	0	0.707	0	0	0	0	0	---	---	12
13	---	---	0	0	0.707	0	0	0	0	0	---	---	13
14	---	---	0	0	0.705	0	0	0	0	0	---	---	14
15	---	---	0	0	0.555	0	0	0	0	0	---	---	15
16	---	---	0	0	0.524	0	0.205	0	0	0	---	---	16
17	---	---	0	0	0.700	0	0.610	0	0	0	---	---	17
18	---	---	0	0	0.695	0	0.603	0	0	0	---	---	18
19	---	---	0	0	0.649	0	0.594	0	0	0	---	---	19
20	---	---	0	0	0.684	0	0.574	0	0	0	---	---	20
21	---	---	0	0	0.618	0	0.575	0	0	0	---	---	21
22	---	---	0	0	0.367	0	0.565	0	0	0	---	---	22
23	---	---	0	0	0.370	0	0.555	0	0	0	---	---	23
24	---	---	0	0	0.364	0	0.545	0	0	0	---	---	24
25	---	---	0	0	0.359	0	0.524	0	0	0	---	---	25
26	---	0	0	0	0.383	0	0.529	0	0	0	---	---	26
27	---	0	0	0	0.626	0	0.526	0	0	0	---	---	27
28	---	0	0	0	0.623	0	0.525	0	0	0	---	---	28
29	---		0	0	0.442	0	0.525	0	0	0	---	---	29
30	---		0	0	0.076	0	0.513	0	0	0	---	---	30
31	---		0		0		0.478	0		0		---	31
TOTAL	---	---	0	0	13.486	1.069	8.446	1.179	0	0.032	---	---	TOTAL
MEAN	---	---	0	0	0.435	0.036	0.273	0.038	0	0.001	---	---	MEAN
MAX	---	---	0	0	0.709	0.304	0.610	0.271	0	0.019	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.099
MAXIMUM DAILY, 0.709 ON MAY 11
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 20 N
LONG 107 53 05 W

REGULATED SINCE 1950

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	730
FEB	---	AUG	102
MAR	0	SEP	0
APR	0	OCT	2.76
MAY	1 170	NOV	---
JUN	92.4	DEC	---

TOTAL DISCHARGE, 2 100 dam³

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.01 B	0.012	0	0	0	0	0	---	---	1
2	---	---	0 B	0.531B	0.009	0	0	0	0	0	---	---	2
3	---	---	0 B	0.330B	0.007	0	0	0	0	0	---	---	3
4	---	---	0 B	0.231B	0.007	0	0	0	0	0	---	---	4
5	---	---	0 B	0.194B	0.007	0	0	0	0	0	---	---	5
6	---	---	0 B	0.191B	0.006	0	0	0	0	0	---	---	6
7	---	---	0 B	0.153B	0.005	0	0	0	0	0	---	---	7
8	---	---	0 B	0.114B	0.007	0	0	0	0	0	---	---	8
9	---	---	0.451B	0.075B	0.008	0	0	0	0	0	---	---	9
10	---	---	2.74 B	0.045B	0.006	0	0	0	0	0	---	---	10
11	---	---	3.57 B	0.029	0.006	0	0	0	0	0	---	---	11
12	---	---	2.65 B	0.022	0.006	0	0	0	0	0	---	---	12
13	---	---	1.38 B	0.018	0.007	0	0	0	0	0	---	---	13
14	---	---	1.11 B	0.015	0.007	0	0	0	0	0	---	---	14
15	---	---	0.790B	0.013	0.007	0	0	0	0	0	---	---	15
16	---	---	0.359B	0.010	0.016	0	0	0	0	0	---	---	16
17	---	---	0.419B	0.008	0.010	0	0	0	0	0	---	---	17
18	---	---	0.498B	0.007	0.008	0	0	0	0	0	---	---	18
19	---	---	0.579B	0.006	0.010	0	0	0	0	0	---	---	19
20	---	---	1.58 B	0.005	0.013	0	0	0	0	0	---	---	20
21	---	---	2.49 B	0.003	0.013	0	0	0	0	0	---	---	21
22	---	---	1.81 B	0.003	0.014	0	0	0	0	0	---	---	22
23	---	---	0.950B	0.002	0.009	0	0	0	0	0	---	---	23
24	---	---	0.381B	0.004	0.007	0	0	0	0	0	---	---	24
25	---	---	0.262B	0.074	0.005	0	0	0	0	0	---	---	25
26	---	---	0.217B	0.033	0.004	0	0	0	0	0	---	---	26
27	---	---	0.601B	0.036	0.004	0	0	0	0	0	---	---	27
28	---	---	0.986B	0.024	0.003	0	0	0	0	0	---	---	28
29	---	---	1.51 B	0.017	0.002	0	0	0	0	0	---	---	29
30	---		1.96 B	0.014	0	0	0	0	0	0	---	---	30
31	---		1.78 B		0		0	0		0		---	31
TOTAL	---	---	29.073	3.217	0.225	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.938	0.107	0.007	0	0	0	0	0	---	---	MEAN
MAX	---	---	3.57	1.01	0.016	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.133
MAXIMUM DAILY, 3.57B ON MAR 11
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
5.01 AT 18:23 CST ON MAR 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 23 16 N
LONG 104 27 39 W
DRAINAGE AREA, 135 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2 510	SEP	0
APR	278	OCT	0
MAY	19.4	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 810 dam³

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	6.56	0	0	0	0	0	0	---	---	1
2	---	---	0 B	3.52	0	0	0	0	0	0	---	---	2
3	---	---	0 B	1.97	0	0	0	0	0	0	---	---	3
4	---	---	0 B	1.00 A	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.700E	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.400E	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.200E	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.050E	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.005A	0	0	0	0	0	0	---	---	9
10	---	---	2.52 B	0	0	0	0	0	0	0	---	---	10
11	---	---	3.25 B	0	0	0	0	0	0	0	---	---	11
12	---	---	3.09 B	0	0	0	0	0	0	0	---	---	12
13	---	---	1.15 B	0	0	0	0	0	0	0	---	---	13
14	---	---	1.10 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.651B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.383B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.190B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.075B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.058B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.256B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.381B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.255B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.117B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.132B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.112B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.056B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.035B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.084B	0	0	0	0	0	0	0	---	---	28
29	---	---	5.28 B	0	0	0	0	0	0	0	---	---	29
30	---		25.8 B	0	0	0	0	0	0	0	---	---	30
31	---		14.4		0		0	0		0		---	31
TOTAL	---	---	59.375	14.405	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	1.92	0.480	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	25.8	6.56	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.301
MAXIMUM DAILY, 25.8B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
39.9E AT 18:58 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 42 N
LONG 103 36 14 W
DRAINAGE AREA, 327 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	5 130	SEP	0
APR	1 240	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 370 dam³

REMARKS - THE MAX INSTANTANEOUS DISCHARGE WAS CONSIDERED ESTIMATED DUE TO LACK OF DEFINITION OF THE STAGE DISCHARGE RATING

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.047B	0.003	0	0	0	0	0	0	---	---	1
2	---	0 B	0.069B	0.001	0	0	0	0	0	0	---	---	2
3	---	0 B	0.055B	0.001	0	0	0	0	0	0	---	---	3
4	---	0 B	0.125B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.190B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.232B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.278B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.269B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.192B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.200B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0.137B	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.110B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.091B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.103B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.076B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.038B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0.028B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0.019B	0	0	0.005	0	0	0	0	---	---	18
19	---	0 B	0.009B	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0.019B	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0.012B	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0.008B	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	23
24	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	24
25	---	0 B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0 B	0.010B	0	0	0	0	0	0	0	---	---	26
27	---	0 B	0.048B	0	0	0	0	0	0	0	---	---	27
28	---	0.030B	0.073B	0	0	0	0	0	0	0	---	---	28
29	---		0.033B	0	0	0	0	0	0	0	---	---	29
30	---		0.016	0	0	0	0	0	0	0	---	---	30
31	---		0.008		0		0	0		0		---	31
TOTAL	---	0.030	2.498	0.005	0	0.005	0	0	0	0	---	---	TOTAL
MEAN	---	0.001	0.081	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	0.030	0.278	0.003	0	0.005	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.278B ON MAR 07
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
0.410 AT 18:59 CST ON MAR 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 16 N
LONG 106 49 18 W
DRAINAGE AREA, 61.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	2.59	AUG	0
MAR	216	SEP	0
APR	0.432	OCT	0
MAY	0	NOV	---
JUN	0.432	DEC	---

TOTAL DISCHARGE, 219 dam³

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	8.52 B	0.338	0.005	0.062	0	0	0	---	---	1
2	---	---	0 B	10.7 B	0.288	0.010	0.031	0	0	0	---	---	2
3	---	---	0 B	12.7 B	0.363	0.056	0.067	0	0	0	---	---	3
4	---	---	0 B	9.69	0.949	0.037	0.138	0	0	0	---	---	4
5	---	---	0 B	4.43	0.969	0.115	0.095	0	0	0	---	---	5
6	---	---	0 B	2.86	1.02	0.123	0.081	0	0	0	---	---	6
7	---	---	0 B	2.95	0.980	0.083	0.070	0	0	0	---	---	7
8	---	---	0 B	2.24	0.977	0.050	0.053	0	0	0	---	---	8
9	---	---	0 B	1.67	0.980	0.034	0.036	0	0	0	---	---	9
10	---	---	0 B	1.15	0.962	0.019	0.021	0	0	0	---	---	10
11	---	---	0 B	1.16	0.950	0.123	0.018	0	0	0	---	---	11
12	---	---	0 B	1.09	1.07	0.326	0.006	0	0	0	---	---	12
13	---	---	0 B	0.923	1.17	0.449	0.003	0	0	0	---	---	13
14	---	---	0 B	0.895	1.17	0.441	0.001	0	0	0	---	---	14
15	---	---	0 B	0.802	1.16	0.430	0	0	0	0	---	---	15
16	---	---	0 B	0.764	1.17	0.459	0	0	0	0	---	---	16
17	---	---	0 B	0.794	1.17	0.742	0	0	0	0	---	---	17
18	---	---	0 B	0.710	1.13	0.678	0	0	0	0	---	---	18
19	---	---	0 B	0.577	1.05	0.574	0	0	0	0	---	---	19
20	---	---	0 B	0.566	1.03	0.487	0	0	0	0	---	---	20
21	---	---	0 B	0.559	0.980	0.399	0	0	0	0	---	---	21
22	---	---	0 B	0.491	0.490	0.321	0	0	0	0	---	---	22
23	---	---	0 B	0.446	0.208	0.237	0	0	0	0	---	---	23
24	---	---	0 B	0.385	0.098	0.171	0	0	0	0	---	---	24
25	---	---	0 B	0.391	0.059	0.127	0	0	0	0	---	---	25
26	---	---	0 B	0.382	0.040	0.090	0	0	0	0	---	---	26
27	---	---	0 B	0.338	0.024	0.071	0	0	0	0	---	---	27
28	---	---	0 B	0.327	0.014	0.059	0	0	0	0	---	---	28
29	---	---	0.003B	0.279	0.009	0.077	0	0	0	0	---	---	29
30	---		0.176B	0.358	0.005	0.074	0	0	0	0	---	---	30
31	---		1.92 B		0.004		0	0		0		---	31
TOTAL	---	---	2.099	69.147	20.767	6.867	0.682	0	0	0	---	---	TOTAL
MEAN	---	---	0.068	2.30	0.670	0.229	0.022	0	0	0	---	---	MEAN
MAX	---	---	1.92	12.7	1.17	0.742	0.138	0	0	0	---	---	MAX
MIN	---	---	0	0.279	0.004	0.005	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.406
MAXIMUM DAILY, 12.7B ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
15.1B AT 17:11 CST ON APR 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 03 25 N
LONG 104 29 56 W
DRAINAGE AREA, 588 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	58.9
FEB	---	AUG	0
MAR	181	SEP	0
APR	5 970	OCT	0
MAY	1 790	NOV	---
JUN	593	DEC	---

TOTAL DISCHARGE, 8 590 dam³

ISKWAO CREEK NEAR CRAIK - STATION NO. 05JG014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.190	0	0	0	0	0	0	---	---	1
2	---	---	0.032B	0.150	0	0	0	0	0	0	---	---	2
3	---	---	0.107B	0.112	0	0	0	0	0	0	---	---	3
4	---	---	0.379B	0.083	0	0	0	0	0	0	---	---	4
5	---	---	0.579B	0.063	0	0	0	0	0	0	---	---	5
6	---	---	0.368B	0.043	0	0	0	0	0	0	---	---	6
7	---	---	0.391B	0.033	0	0	0	0	0	0	---	---	7
8	---	---	0.416B	0.027	0	0	0	0	0	0	---	---	8
9	---	---	0.393B	0.023	0	0	0	0	0	0	---	---	9
10	---	---	0.807B	0.015	0	0	0	0	0	0	---	---	10
11	---	---	0.947B	0.011	0	0	0	0	0	0	---	---	11
12	---	---	0.870B	0.007	0	0	0	0	0	0	---	---	12
13	---	---	0.692B	0.003	0	0	0	0	0	0	---	---	13
14	---	---	0.535B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.683B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.654B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.598B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.288B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.220B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.322B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.312B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.163B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.087B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.083B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.089B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.097	0	0	0	0	0	0	0	---	---	26
27	---	---	0.094	0	0	0	0	0	0	0	---	---	27
28	---	---	0.103	0	0	0	0	0	0	0	---	---	28
29	---	---	0.112	0	0	0	0	0	0	0	---	---	29
30	---		0.131	0	0	0	0	0	0	0	---	---	30
31	---		0.188		0		0	0		0		---	31
TOTAL	---	---	10.742	0.760	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.347	0.025	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.947	0.190	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0.002	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.047
MAXIMUM DAILY, 0.947B ON MAR 11
MINIMUM DAILY, 0 ON APR 14
MAXIMUM INSTANTANEOUS,
1.20B AT 11:11 CST ON MAR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 44 N
LONG 105 57 34 W
DRAINAGE AREA, 361 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	928	SEP	0
APR	65.7	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 994 dam³

JACKFISH LAKE NEAR COCHIN - STATION NO. 05EG003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	529.423	529.432	529.572	529.568	529.520	529.533	529.439	529.363	529.308	---	1
2	---	---	529.427	529.436	529.576	529.563	529.511	529.527	529.433	529.341	529.307	---	2
3	---	---	529.424	529.445	529.579	529.570	529.549	529.522	529.429	529.329	529.315	---	3
4	---	---	529.425	529.458	529.582	529.563	529.568	529.522	529.432	529.337	529.317	---	4
5	---	---	529.426	529.467	529.585	529.561	529.573	529.521	529.422	529.333	529.311	---	5
6	---	---	529.427	529.477	529.584	529.567	529.563	529.520	529.427	529.337	529.311	---	6
7	---	---	529.428	529.486	529.577	529.577	529.568	529.506	529.422	529.340	529.315A	---	7
8	---	---	529.429	529.493	529.573	529.576	529.571	529.503	529.417	529.340	---	---	8
9	---	---	529.429	529.499	529.582	529.579	529.575	529.503	529.420	529.341	---	---	9
10	---	---	529.428	529.504	529.572	529.578	529.570	529.500	529.418	529.325	---	---	10
11	---	---	529.430	529.509	529.580	529.607	529.573	529.500	529.416	529.325	---	---	11
12	---	---	529.431	529.515	529.581	529.572	529.580	529.498	529.411	529.327	---	---	12
13	---	---	529.430	529.518	529.584	529.552	529.566	529.484	529.407	529.328	---	---	13
14	---	---	529.432	529.524	529.586	529.569	529.553	529.487	529.406	529.325	---	---	14
15	---	---	529.431	529.526	529.579	529.575	529.541	529.480	529.411	529.327	---	---	15
16	---	---	529.432	529.529	529.587	529.568	529.540	529.478	529.419	529.325	---	---	16
17	---	---	529.430	529.532	529.592	529.565	529.537	529.480	529.389	529.329	---	---	17
18	---	---	529.428	529.535	529.594	529.564	529.529	529.483	529.388	529.329	---	---	18
19	---	---	529.429	529.538	529.588	529.557	529.525	529.469	529.383	529.315	---	---	19
20	---	---	529.428	529.541	529.596	529.555	529.524	529.469	529.377	529.315	---	---	20
21	---	---	529.429	529.541	529.598	529.551	529.526	529.472	529.373	529.317	---	---	21
22	---	---	529.427	529.546	529.598	529.556	529.524	529.482	529.381	529.315	---	---	22
23	---	---	529.425	529.552	529.608	529.561	529.523	529.466	529.380	529.313	---	---	23
24	---	---	529.425	529.557	529.607	529.541	529.520	529.460	529.376	529.320	---	---	24
25	---	---	529.425	529.561	529.608	529.540	529.520	529.457	529.375	529.315	---	---	25
26	---	---	529.425	529.566	529.596	529.541	529.520	529.457	529.368	529.309	---	---	26
27	---	529.417A	529.424	529.571	529.594	529.531	529.531	529.454	529.364	529.319	---	---	27
28	---	529.421	529.425	529.554	529.593	529.531	529.531	529.450	529.370	529.317	---	---	28
29	---		529.426	529.534	529.603	529.531	529.539	529.447	529.378	529.313	---	---	29
30	---		529.428	529.563	529.595	529.529	529.539	529.448	529.356	529.315	---	---	30
31	---		529.430		529.579		529.537	529.430		529.310		---	31
MEAN	---	---	529.427	529.517	529.588	529.560	529.544	529.484	529.400	529.326	---	---	MEAN
MAX	---	---	529.432	529.571	529.608	529.607	529.580	529.533	529.439	529.363	---	---	MAX
MIN	---	---	529.423	529.432	529.572	529.529	529.511	529.430	529.356	529.309	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 529.608 ON MAY 23

MAXIMUM INSTANTANEOUS,
529.742 AT 17:16 CST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 07 28 N
LONG 108 23 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 320 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

JAN LAKE NEAR THE HANSON LAKE ROAD - STATION NO. 05KG010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	29.001	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	29.142	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	28.859	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 53 36 N
LONG 102 49 37 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
438 km²

JEWEL CREEK NEAR GOODWATER - STATION NO. 05NB014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0.011	0	0	---	---	1
2	---	---	0	0.013A	0	0	0	0.009	0	0	---	---	2
3	---	---	0	0.017	0	0	0	0.007	0	0	---	---	3
4	---	---	0	0.011	0	0	0	0.005	0	0	---	---	4
5	---	---	0	0.007	0	0	0	0.004	0	0	---	---	5
6	---	---	0	0.005	0	0	0	0.004	0	0	---	---	6
7	---	---	0	0.004	0	0	0	0.003	0	0	---	---	7
8	---	---	0	0.004	0	0	0	0.002	0	0	---	---	8
9	---	---	0	0.003	0	0	0	0.001	0	0	---	---	9
10	---	---	0	0.003	0	0	0.603	0	0	0	---	---	10
11	---	---	0	0.002	0	0	0.556	0	0	0	---	---	11
12	---	---	0	0.002	0	0	0.378	0	0	0	---	---	12
13	---	---	0	0.002	0	0	0.274	0	0	0	---	---	13
14	---	---	0	0.001	0	0	0.209	0	0	0	---	---	14
15	---	---	0	0.001	0	0	0.165	0	0	0	---	---	15
16	---	---	0	0	0	0	0.137	0	0	0	---	---	16
17	---	---	0	0	0	0	0.118	0	0	0	---	---	17
18	---	---	0	0	0	0	0.100	0	0	0	---	---	18
19	---	---	0	0	0	0	0.091	0	0	0	---	---	19
20	---	---	0	0	0	0	0.078	0	0	0	---	---	20
21	---	---	0	0	0	0	0.066	0	0	0	---	---	21
22	---	---	0	0	0	0	0.053	0	0	0	---	---	22
23	---	---	0	0	0	0	0.042	0	0	0	---	---	23
24	---	---	0	0	0	0	0.031	0	0	0	---	---	24
25	---	---	0	0	0	0	0.025	0	0	0	---	---	25
26	---	---	0	0	0	0	0.034	0	0	0	---	---	26
27	---	---	0	0	0	0	0.040	0	0	0	---	---	27
28	---	---	0	0	0	0	0.033	0	0	0	---	---	28
29	---	---	0	0	0	0	0.023	0	0	0	---	---	29
30	---		0	0	0	0	0.018	0	0	0	---	---	30
31	---		0		0		0.014	0		0		---	31
TOTAL	---	---	0	0.075	0	0	3.088	0.046	0	0	---	---	TOTAL
MEAN	---	---	0	0.003	0	0	0.100	0.002	0	0	---	---	MEAN
MAX	---	---	0	0.017	0	0	0.603	0.011	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.013
MAXIMUM DAILY, 0.603 ON JUL 10
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.749 AT 06:15 CST ON JUL 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 10 N
LONG 103 42 42 W
DRAINAGE AREA, 209 km²
A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	267
FEB	---	AUG	3.97
MAR	0	SEP	0
APR	6.48	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 277 dam³

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.99 B	0.071	0.021	0.003	0.001	0.002	0.001	0.001A	---	1
2	---	---	0 B	2.71 B	0.063	0.023	0.001	0.001	0.002	0.001	---	---	2
3	---	---	0 B	2.65 B	0.055	0.015	0.006	0.001	0.002	0.001	---	---	3
4	---	---	0 B	2.08 B	0.049	0.016	0.005	0.001	0.002	0.001	---	---	4
5	---	---	0 B	1.32 B	0.046	0.046	0.004	0.001	0.002	0.001	---	---	5
6	---	---	0 B	1.08 B	0.062	0.036	0.017	0	0.002	0.001	---	---	6
7	---	---	0 B	0.708	0.068	0.027	0.013	0	0.001	0.001	---	---	7
8	---	---	0 B	0.517	0.056	0.027	0.014	0	0.001	0.001	---	---	8
9	---	---	0 B	0.348	0.044	0.025	0.021	0.001	0	0.001	---	---	9
10	---	---	0.001B	0.203	0.036	0.016	0.031	0.001	0	0.001	---	---	10
11	---	---	0.006B	0.185	0.032	0.031	0.034	0.001	0	0.001	---	---	11
12	---	---	0.012B	0.190	0.028	0.017	0.015	0.001	0.003	0.001	---	---	12
13	---	---	0.084B	0.187	0.038	0.015	0.014	0	0.002	0.001	---	---	13
14	---	---	0.232B	0.173	0.034	0.016	0.020	0	0	0.001	---	---	14
15	---	---	0.310B	0.160	0.032	0.014	0.011	0	0	0.001	---	---	15
16	---	---	0.378B	0.143	0.051	0.010	0.010	0	0.002	0.001	---	---	16
17	---	---	0.208B	0.126	0.036	0.019	0.011	0	0.001	0.001	---	---	17
18	---	---	0.247B	0.121	0.035	0.023	0.010	0	0.001	0.001	---	---	18
19	---	---	0.306B	0.113	0.049	0.018	0.006	0.002	0.001	0.001	---	---	19
20	---	---	0.270B	0.121	0.048	0.012	0.005	0	0.001	0.001	---	---	20
21	---	---	0.180B	0.107	0.051	0.028	0.004	0	0.001	0.001	---	---	21
22	---	---	0.137B	0.132	0.050	0.008	0.003	0	0.001	0.001	---	---	22
23	---	---	0.059B	0.103	0.039	0.005	0.001	0	0.001	0.001	---	---	23
24	---	---	0.027B	0.114	0.079	0.004	0.001	0.001	0.001	0.001	---	---	24
25	---	---	0.008B	0.164	0.065	0.004	0	0.001	0.001	0.001	---	---	25
26	---	---	0.001B	0.212	0.039	0.003	0.001	0.001	0.001	0.001	---	---	26
27	---	---	0.009B	0.140A	0.039	0.002	0.002	0.001	0.001	0.001	---	---	27
28	---	---	0.106B	0.123A	0.024	0.002	0.002	0.001	0.001	0.001	---	---	28
29	---	---	0.674B	0.094	0.016	0.002	0.002	0.001	0.001	0.001	---	---	29
30	---		2.63 B	0.084	0.017	0.002	0.001	0.001	0.001	0.001	---	---	30
31	---		3.03 B		0.021		0.001	0.002		0.001		---	31
TOTAL	---	---	8.915	16.398	1.375	0.487	0.269	0.020	0.035	0.031	---	---	TOTAL
MEAN	---	---	0.288	0.547	0.044	0.016	0.009	0.001	0.001	0.001	---	---	MEAN
MAX	---	---	3.03	2.71	0.079	0.046	0.034	0.002	0.003	0.001	---	---	MAX
MIN	---	---	0	0.084	0.016	0.002	0	0	0	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.112
MAXIMUM DAILY, 3.03B ON MAR 31
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.93B AT 21:09 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 55 10 N
LONG 103 53 57 W
DRAINAGE AREA, 1 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	23.2
FEB	---	AUG	1.73
MAR	770	SEP	3.02
APR	1 420	OCT	2.68
MAY	119	NOV	---
JUN	42.1	DEC	---

TOTAL DISCHARGE, 2 380 dam³

JUNCTION RESERVOIR NEAR MAPLE CREEK - STATION NO. 05HA063

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	751.636E	751.640	752.327E	752.735E	752.883	752.777	752.650	752.511	752.358	---	---	1
2	---	751.636E	751.643	752.344E	752.746E	752.881	752.768	752.645	752.507	752.347	---	---	2
3	---	751.636E	751.652	752.360E	752.756E	752.888	752.752	752.640	752.503	752.341	---	---	3
4	---	751.636E	751.666	752.379E	752.761E	752.892	752.742	752.637	752.503	752.339	---	---	4
5	---	751.636E	751.682	752.394E	752.770E	752.882	752.741	752.631	752.495	752.335	---	---	5
6	---	751.636E	751.698	752.410E	752.776E	752.884	752.740	752.623	752.493	752.331	---	---	6
7	---	751.636E	751.719	752.427E	752.782E	752.887	752.730	752.613	752.490	752.326	---	---	7
8	---	751.636E	751.751	752.445E	752.792E	752.890	752.727	752.604	752.484	752.326	---	---	8
9	---	751.636E	751.772	752.464E	752.801A	752.892	752.724	752.597	752.478	752.324	---	---	9
10	---	751.636E	751.811	752.480E	752.803	752.891	752.715	752.591	752.474	752.318	---	---	10
11	---	751.636E	751.868	752.492A	752.810	752.880	752.710	752.583	752.469	752.316	---	---	11
12	---	751.636E	751.904	752.510E	752.812	752.864	752.707	752.578	752.464	752.317	---	---	12
13	---	751.636E	751.922	752.522E	752.822	752.858	752.688	752.570	752.453	752.313	---	---	13
14	---	751.636A	751.936	752.537E	752.826	752.864	752.682	752.564	752.447	752.310	---	---	14
15	---	751.627	751.962	752.550E	752.825	752.864	752.676	752.556	752.444	752.293	---	---	15
16	---	751.624	751.984	752.564E	752.831	752.863	752.670	752.548	752.436	752.226	---	---	16
17	---	751.625	752.009	752.579E	752.836	752.859	752.660	752.545	752.426	752.155	---	---	17
18	---	751.621	752.037	752.593E	752.843	752.855	752.655	752.545	752.420	752.096	---	---	18
19	---	751.624	752.063	752.603E	752.845	752.846	752.661	752.535	752.414	752.090	---	---	19
20	---	751.625	752.095	752.620E	752.851	752.841	752.661	752.533	752.406	752.086	---	---	20
21	---	751.623	752.120	752.630E	752.855	752.836	752.656	752.532	752.399	752.087	---	---	21
22	---	751.624	752.132	752.643E	752.860	752.835	752.653	752.527	752.397	752.084	---	---	22
23	---	751.628	752.160E	752.652E	752.866	752.828	752.649	752.527	752.395	752.083	---	---	23
24	---	751.628	752.180E	752.665E	752.869	752.825	752.642	752.517	752.391	752.082	---	---	24
25	---	751.630	752.200E	752.675E	752.874	752.818	752.639	752.511	752.389	752.082	---	---	25
26	---	751.631	752.220E	752.687E	752.872	752.813	752.650	752.512	752.384	752.074	---	---	26
27	---	751.632	752.239E	752.698E	752.871	752.802	752.659	752.520	752.379	752.074	---	---	27
28	---	751.635	752.257E	752.710E	752.877	752.792	752.662	752.522	752.375	752.070	---	---	28
29	---		752.273E	752.719E	752.888	752.790	752.660	752.525	752.372	752.064	---	---	29
30	---		752.290E	752.727E	752.884	752.788	752.658	752.524	752.359	752.063A	---	---	30
31	---		752.306E		752.886		752.654	752.513		752.063E		---	31
MEAN	---	751.632	751.974	752.547	752.827	752.853	752.689	752.565	752.439	752.206	---	---	MEAN
MAX	---	751.636	752.306	752.727	752.888	752.892	752.777	752.650	752.511	752.358	---	---	MAX
MIN	---	751.621	751.640	752.327	752.735	752.788	752.639	752.511	752.359	752.063	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 752.892 ON JUN 09
MINIMUM DAILY, 751.621 ON FEB 18
MAXIMUM INSTANTANEOUS,
752.908 AT 05:01 CST ON JUN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 10 N
LONG 109 31 05 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED

DRAINAGE AREA,
1 230 km²

WATER LEVELS ARE REFERRED TO PRAIRIE FARM REHABILITATION ADMINISTRATION DATUM
APPLY -10.415 m ADJUSTMENT TO CONVERT TO RECLAMATION SERVICE OF CANADA DATUM

KATEPWA LAKE AT KATEPWA BEACH - STATION NO. 05JL004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	478.283	478.280	478.273	478.488A	478.304	478.274	478.291	478.303	478.268	478.258	478.312	478.303	1
2	478.283	478.280	478.272	478.525	478.298	478.282	478.292	478.301	478.268	478.265	478.315	478.301	2
3	478.282	478.281	478.273	478.545	478.296	478.279	478.296	478.299	478.273	478.267	478.312	478.300	3
4	478.280	478.282	478.270	478.535	478.296	478.273	478.298	478.290	478.270	478.265	478.308	478.298	4
5	478.282	478.278	478.270	478.498	478.293	478.278	478.295	478.285	478.273	478.256	478.311	478.297	5
6	478.285	478.277	478.271	478.459	478.291	478.277	478.304	478.283	478.273	478.256	478.306	478.296	6
7	478.286A	478.278	478.273	478.431	478.295	478.279	478.320	478.282	478.274	478.252	478.299	478.295	7
8	478.286E	478.274	478.274	478.406	478.288	478.283	478.339	478.280	478.271	478.250	478.311	478.293	8
9	478.286E	478.274	478.273	478.387	478.283	478.282	478.335	478.275	478.270	478.251	478.310	478.293	9
10	478.286E	478.273	478.277	478.367	478.279	478.280	478.331	478.270	478.270	478.257	478.308	478.294	10
11	478.286E	478.274	478.287	478.354	478.279	478.285	478.336	478.274	478.272	478.264	478.305	478.297	11
12	478.286E	478.271	478.310	478.347	478.275	478.280	478.343	478.270	478.263	478.262	478.295	478.298	12
13	478.287E	478.267	478.343	478.336	478.277	478.284	478.346	478.268	478.264	478.269	478.293	478.294	13
14	478.287E	478.269	478.346	478.329	478.273	478.283	478.351	478.265	478.266	478.270	478.295	478.292	14
15	478.287E	478.268	478.349	478.325	478.270	478.281	478.351	478.260	478.263A	478.270	478.293	478.291	15
16	478.288E	478.266	478.346	478.319	478.278	478.282	478.352	478.255	478.260E	478.275	478.291	478.292	16
17	478.288E	478.268	478.341	478.316	478.272	478.284	478.353	478.247	478.257E	478.279	478.290	478.289	17
18	478.288E	478.268	478.337	478.317	478.262	478.288	478.351	478.244	478.251A	478.278	478.289	478.288	18
19	478.288E	478.270	478.334	478.318	478.262	478.293	478.344	478.241	478.245	478.287	478.286	478.288	19
20	478.288E	478.270	478.326	478.321	478.268	478.292	478.336	478.243	478.246	478.290	478.288	478.284	20
21	478.288E	478.272	478.321	478.322	478.271	478.295	478.330	478.244	478.241	478.289	478.290	478.283	21
22	478.289E	478.274	478.311	478.322	478.277	478.290	478.324	478.243	478.237	478.293	478.291	478.281	22
23	478.288E	478.274	478.302	478.321	478.273	478.287	478.321	478.246	478.238	478.297	478.290	478.284	23
24	478.284A	478.271	478.293	478.324	478.269	478.288	478.317	478.254	478.243	478.294	478.293	478.284	24
25	478.282	478.271	478.292	478.334	478.264	478.292	478.312	478.258	478.243	478.297	478.293	478.279	25
26	478.284	478.273	478.286	478.332	478.269	478.291	478.322	478.261	478.245	478.299	478.299	478.276	26
27	478.280	478.271	478.283	478.325	478.268	478.290	478.324	478.271	478.247	478.301	478.301	478.279	27
28	478.281	478.274	478.282	478.321	478.266	478.292	478.326	478.270	478.250	478.295	478.304	478.273	28
29	478.284		478.290A	478.318	478.265	478.294	478.318	478.267	478.245	478.296	478.307	478.269	29
30	478.282		478.313	478.312	478.263	478.291	478.309	478.266	478.253	478.300	478.309	478.266	30
31	478.281		478.421		478.269		478.303	478.269		478.308		478.266	31
MEAN	478.285	478.273	478.305	478.372	478.277	478.285	478.325	478.267	478.258	478.277	478.300	478.288	MEAN
MAX	478.289	478.282	478.421	478.545	478.304	478.295	478.353	478.303	478.274	478.308	478.315	478.303	MAX
MIN	478.280	478.266	478.270	478.312	478.262	478.273	478.291	478.241	478.237	478.250	478.286	478.266	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 478.293
MAXIMUM DAILY, 478.545 ON APR 03
MINIMUM DAILY, 478.237 ON SEP 22
MAXIMUM INSTANTANEOUS,
478.548 AT 11:34 CST ON APR 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 34 N
LONG 103 37 15 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 06BB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.742B	0.710B	0.741B	0.970	2.11	3.10	2.60	2.35	1.07	0.468	0.321	0.443	1
2	0.730B	0.723B	0.737B	0.969	2.16	3.05	2.42	2.31	0.979	0.443	0.365	0.429	2
3	0.745B	0.733B	0.741B	1.01	2.24	3.03	2.56	2.17	1.01	0.563	0.373	0.440	3
4	0.731B	0.737B	0.759B	1.01	2.30	2.97	2.93	2.11	1.09	0.474	0.367	0.452	4
5	0.730B	0.727B	0.768B	1.02	2.38	2.94	3.03	2.02	0.863	0.434	0.362	0.458	5
6	0.747B	0.733B	0.773B	1.04	2.40	2.84	3.00	2.07	0.847	0.439	0.328	0.454	6
7	0.765B	0.727B	0.784B	1.05	2.53	2.84	2.99	2.12	0.936	0.420	0.323	0.449	7
8	0.765B	0.740B	0.758B	1.07	2.68	2.84	2.98	1.94	0.767	0.434	0.341	0.462	8
9	0.770B	0.734B	0.783B	1.06	2.74	2.81	3.09	1.76	0.739	0.478	0.326	0.452	9
10	0.750B	0.725B	0.785B	1.06	2.77	2.78	3.07	1.69	0.781	0.483	0.306	0.459	10
11	0.748B	0.733B	0.794B	1.07	2.82	2.88	3.16	1.62	0.652	0.480	0.297	0.456	11
12	0.745B	0.771B	0.865B	1.07	2.93	2.68	3.14	1.67	0.648	0.423	0.299	0.462	12
13	0.721B	0.763B	0.898B	1.07	2.99	2.63	3.11	1.71	0.771	0.418	0.300	0.460	13
14	0.741B	0.766B	0.903B	1.08	3.02	2.64	3.12	1.58	0.718	0.436	0.312	0.470	14
15	0.731B	0.749B	0.922B	1.11	3.03	2.90	3.09	1.48	0.717	0.429	0.309	0.475	15
16	0.733B	0.755B	0.929B	1.11	3.12	2.67	2.83	1.41	0.738	0.386	0.305	0.487	16
17	0.740B	0.733B	0.934B	1.11	3.15	2.54	2.87	1.41	0.757	0.410	0.303	0.495B	17
18	0.722B	0.739B	0.932B	1.12	3.21	2.59	2.85	1.44	0.661	0.410	0.322	0.528B	18
19	0.727B	0.731B	0.947B	1.14	3.34	2.60	2.66	1.42	0.572	0.393	0.324	0.522B	19
20	0.730B	0.729B	0.956	1.15	3.36	2.62	2.56	1.41	0.626	0.441	0.332	0.513B	20
21	0.718B	0.736B	0.975	1.20	3.41	2.49	2.54	1.34	0.627	0.364	0.414	0.489B	21
22	0.732B	0.729B	0.976	1.23	3.44	2.44	2.57	1.41	0.645	0.480	0.410	0.498B	22
23	0.743B	0.728B	0.964	1.29	3.53	2.43	2.58	1.44	0.631	0.395	0.406	0.491B	23
24	0.755B	0.711B	0.959	1.36	3.43	2.38	2.43	1.33	0.657	0.414	0.418	0.496B	24
25	0.755B	0.715B	0.966	1.56	3.44	2.37	2.39	1.14	0.672	0.371	0.421	0.488B	25
26	0.771B	0.732B	0.949	1.72	3.44	2.37	2.34	1.11	0.600	0.387	0.433	0.476B	26
27	0.740B	0.735B	0.947	1.78	3.40	2.40	2.34	1.27	0.536	0.369	0.437	0.513B	27
28	0.727B	0.740B	0.956	1.85	3.53	2.51	2.49	1.21	0.553	0.533	0.436	0.494B	28
29	0.724B		0.965	1.96	3.55	2.53	2.31	1.14	0.505	0.426	0.433	0.473B	29
30	0.726B		0.959	2.03	3.58	2.51	2.44	1.02	0.567	0.338	0.451	0.467B	30
31	0.719B		0.964		3.23		2.31	0.990		0.330		0.469B	31
TOTAL	22.931	20.592	27.289	37.269	92.56	80.38	85.60	49.070	22.015	13.269	10.774	14.720	TOTAL
MEAN	0.740	0.735	0.880	1.24	2.99	2.68	2.76	1.58	0.734	0.428	0.359	0.475	MEAN
MAX	0.771	0.771	0.976	2.03	3.53	3.10	3.52	2.35	1.09	0.563	0.451	0.528	MAX
MIN	0.718	0.711	0.737	0.969	2.11	2.37	2.31	0.990	0.536	0.330	0.297	0.429	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.31
MAXIMUM DAILY, 3.53 ON MAY 23
MINIMUM DAILY, 0.297 ON NOV 11
MAXIMUM INSTANTANEOUS,
4.45 AT 16:59 CST ON JUL 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 55 06 N
LONG 108 03 13 W
DRAINAGE AREA, 1 020 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 980	JUL	7 400
FEB	1 780	AUG	4 240
MAR	2 360	SEP	1 900
APR	3 220	OCT	1 150
MAY	8 000	NOV	931
JUN	6 940	DEC	1 270

TOTAL DISCHARGE, 41 200 dam³

REMARKS - THE PEAK DISCHARGE WAS DUE TO WIND ON KEELEY LAKE

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0.314B	0.004	0	0	0	0	0	---	---	1
2	---	---	OB	1.11 B	0.006	0	0	0	0	0	---	---	2
3	---	---	OB	2.97	0.008	0	0	0	0	0	---	---	3
4	---	---	OB	2.28	0.015	0	0.007	0	0	0	---	---	4
5	---	---	OB	1.81	0.009	0	0.002	0	0	0	---	---	5
6	---	---	OB	1.26	0.023	0	0.001	0	0	0	---	---	6
7	---	---	OB	0.827	0.018	0	0.001	0	0	0	---	---	7
8	---	---	OB	0.587	0.022	0	0.002	0	0	0	---	---	8
9	---	---	OB	0.443	0.017	0	0.004	0	0	0	---	---	9
10	---	---	OB	0.323	0.017	0	0.006	0	0	0	---	---	10
11	---	---	OB	0.264	0.011	0	0.007	0	0	0	---	---	11
12	---	---	OB	0.190	0.007	0	0.009	0	0	0	---	---	12
13	---	---	OB	0.123	0.003	0	0.009	0	0	0	---	---	13
14	---	---	OB	0.098	0.001	0	0.005	0	0	0	---	---	14
15	---	---	OB	0.054	0.002	0	0.002	0	0	0	---	---	15
16	---	---	OB	0.039	0.016	0	0.001	0	0	0	---	---	16
17	---	---	OB	0.020	0	0	0	0	0	0	---	---	17
18	---	---	OB	0.020	0	0	0	0	0	0	---	---	18
19	---	---	OB	0.018	0	0	0	0	0	0	---	---	19
20	---	---	OB	0.016	0	0	0	0	0	0	---	---	20
21	---	---	OB	0.011	0	0	0	0	0	0	---	---	21
22	---	---	OB	0.010	0	0	0	0	0	0	---	---	22
23	---	---	OB	0.012	0	0	0	0	0	0	---	---	23
24	---	---	OB	0.011	0	0	0	0	0	0	---	---	24
25	---	---	OB	0.008	0	0	0	0	0	0	---	---	25
26	---	---	OB	0.005	0	0	0	0	0	0	---	---	26
27	---	---	OB	0.001	0	0	0	0	0	0	---	---	27
28	---	---	OB	0.001	0	0	0	0	0	0	---	---	28
29	---	---	OB	0.004	0	0	0	0	0	0	---	---	29
30	---		OB	0.002	0	0	0	0	0	0	---	---	30
31	---		OB		0		0	0		0		---	31
TOTAL	---	---	0	12.831	0.179	0	0.056	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.428	0.006	0	0.002	0	0	0	---	---	MEAN
MAX	---	---	0	2.97	0.023	0	0.009	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.053
MAXIMUM DAILY, 2.97 ON APR 03
MINIMUM DAILY, OB ON MAR 01
MAXIMUM INSTANTANEOUS,
3.12 AT 02:35 CST ON APR 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 28 53 N
LONG 104 19 33 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	4.84
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 110	OCT	0
MAY	15.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 130 dam³

KENOSEE LAKE NEAR CARLYLE - STATION NO. 05ND009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	737.183A	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	737.096A	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	736.928A	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	737.136A	---	---	736.903A	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	737.171A	737.117A	---	---	736.992A	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	737.163A	---	---	---	737.027A	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	737.090A	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	737.100E	---	---	---	737.115A	---	---	---	---	---	---	28
29	---		737.130A	---	---	---	---	---	---	---	---	---	29
30	---		---	737.180E	---	---	---	737.058A	736.938E	736.901A	---	---	30
31	---		737.133E		737.156A 737.155E	737.112E	737.100E	737.055E		736.900E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

A - MANUAL GAUGE

MAXIMUM DAILY, 737.183A ON MAY 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 49 55 N
LONG 102 17 28 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
141 km²

KINGSMERE LAKE AT THE OUTLET STRUCTURE - STATION NO. 06CA007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	8.628	---	---	---	8.298	---	---	1
2	---	---	---	---	---	---	---	8.583	---	8.275	---	---	2
3	---	---	---	---	---	8.629	---	---	---	---	---	---	3
4	---	---	---	---	8.526	---	8.632	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	8.633	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	8.548	8.635	---	8.555	---	---	---	---	9
10	---	---	---	---	---	---	8.619	---	---	8.263	---	---	10
11	---	---	---	---	8.553	---	8.618	---	---	---	---	---	11
12	---	---	---	---	---	8.644	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	8.277	---	---	13
14	---	---	---	---	---	---	8.614	8.531	---	---	---	---	14
15	---	---	---	---	---	---	---	8.518	---	---	---	---	15
16	---	---	---	---	8.565	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	8.695	8.458	---	8.278	---	---	17
18	---	---	---	---	8.575	---	8.589	---	8.340	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	8.647	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	8.569	---	---	---	---	---	22
23	---	---	---	---	---	8.624	---	---	---	---	---	---	23
24	---	---	---	---	---	---	8.576	---	---	---	---	---	24
25	---	---	---	---	---	---	8.568	---	---	---	---	---	25
26	---	---	---	---	---	---	8.563	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	8.613	8.597	---	8.301	---	---	---	28
29	---		---	---	8.609	---	---	---	---	---	---	---	29
30	---		---	8.526E	---	8.619E	---	8.425	8.299E	---	---	---	30
31	---		---		8.622E		8.589E	8.425E		8.278E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 8.647 ON JUN 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 02 10 N
LONG 106 25 12 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1939
DRAINAGE AREA,
470 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

KIPABISKAU LAKE NEAR MCKAGUE - STATION NO. 05LA007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	513.540	513.518	513.475	513.430	513.405	---	---	1
2	---	---	---	---	---	513.541	513.518	513.475	513.430	513.405	---	---	2
3	---	---	---	---	---	513.541	513.563	513.475	513.430	513.405	---	---	3
4	---	---	---	---	---	513.541	513.560	513.470	513.430	513.405	---	---	4
5	---	---	---	---	---	513.541	513.549	513.470	513.425	513.400	---	---	5
6	---	---	---	---	---	513.542	513.547	513.470	513.425	513.395	---	---	6
7	---	---	---	---	---	513.542	513.547	513.450	513.420	513.395	---	---	7
8	---	---	---	---	---	513.542	513.545	513.450	513.420	513.395	---	---	8
9	---	---	---	---	---	513.582	513.549	513.445	513.420	513.395	---	---	9
10	---	---	---	---	---	513.568	513.548	513.440	513.415	513.395	---	---	10
11	---	---	---	---	513.646	513.566	513.540	513.440	513.415	513.395	---	---	11
12	---	---	---	---	513.636	513.564	513.535	513.435	513.415	513.395	---	---	12
13	---	---	---	---	513.636	513.563	513.535	513.435	513.415	---	---	---	13
14	---	---	---	---	513.616	513.564	513.530	513.435	513.415	---	---	---	14
15	---	---	---	---	513.626	513.564	513.525	513.435	513.410	---	513.311	---	15
16	---	---	---	---	513.622	513.569	513.520	513.435	513.410	---	---	---	16
17	---	---	---	---	513.612	513.554	513.520	513.435	513.410	---	---	---	17
18	---	---	---	---	513.609	513.535	513.520	513.435	513.410	---	---	---	18
19	---	---	---	---	513.602	513.535	513.520	513.435	513.410	---	---	---	19
20	---	---	---	---	513.589	513.535	513.520	513.435	513.410	---	---	---	20
21	---	---	---	---	513.588	513.525	513.515	513.435	513.410	---	---	---	21
22	---	---	---	---	513.588	513.521	513.510	513.430	513.410	---	---	---	22
23	---	---	---	---	513.588	513.521	513.520	513.430	513.405	---	---	---	23
24	---	---	---	---	513.588	513.516	513.520	513.430	513.405	---	---	---	24
25	---	---	---	---	513.584	513.506	513.515	513.430	513.405	---	---	---	25
26	---	---	---	---	513.574	513.506	513.510	513.430	513.405	---	---	---	26
27	---	---	---	---	513.560	513.497	513.505	513.430	513.405	---	---	---	27
28	---	---	---	---	513.559	513.502	513.505	513.430	513.405	---	---	---	28
29	---		---	---	513.558	513.517	513.505	513.430	513.405	---	---	---	29
30	---		---	---	513.540	513.513	513.500	513.430	513.405	---	---	---	30
31	---		---		513.540		513.494	513.430		---		---	31
MEAN	---	---	---	---	---	513.538	513.525	513.442	513.414	---	---	---	MEAN
MAX	---	---	---	---	---	513.582	513.550	513.475	513.430	---	---	---	MAX
MIN	---	---	---	---	---	513.497	513.494	513.430	513.405	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 34 16 N
LONG 104 11 04 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
1 040 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KNOX COULEE NEAR TUXFORD - STATION NO. 05JG015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0.001B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.005B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.003B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0	0	0		---	31
TOTAL	---	---	0.009	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.005	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.005B ON MAR 19
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.035B AT 20:48 CST ON MAR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 41 41 N
LONG 105 36 05 W
DRAINAGE AREA, 24.1 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0.778	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.778 dam³

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	3.83	0.018	0	0	0	0	0	---	---	1
2	---	---	0	2.10	0.013	0.077	0	0	0	0	---	---	2
3	---	---	0	1.17	0.007	0.610	0.005	0	0	0	---	---	3
4	---	---	0	0.867	0.006	0.651	0.033	0	0	0	---	---	4
5	---	---	0	0.593A	0.002	0.455	0.036	0	0	0	---	---	5
6	---	---	0	0.401	0.001	0.340	0.025	0	0	0	---	---	6
7	---	---	0	0.285	0.001	0.284	0.014	0	0	0	---	---	7
8	---	---	0	0.216	0.001	0.217	0.004	0	0	0	---	---	8
9	---	---	0	0.157	0.028	0.165	0.001	0	0	0	---	---	9
10	---	---	0	0.107A	0.052	0.104	0.005	0	0	0	---	---	10
11	---	---	0	0.089	0.007	0.109	0.050	0	0	0	---	---	11
12	---	---	0	0.064	0.005	0.111	0.045	0	0	0	---	---	12
13	---	---	0	0.049	0.003	0.100	0.015	0	0	0	---	---	13
14	---	---	0	0.038	0.001	0.130	0.004	0	0	0	---	---	14
15	---	---	0	0.026	0	0.057	0	0	0	0	---	---	15
16	---	---	0	0.019	0	0.036	0	0	0	0	---	---	16
17	---	---	0	0.009	0	0.068	0	0	0	0	---	---	17
18	---	---	0	0.010	0	0.052	0	0	0	0	---	---	18
19	---	---	0	0.007	0	0.012	0	0	0	0	---	---	19
20	---	---	0	0.004	0	0.001	0	0	0	0	---	---	20
21	---	---	0	0.002	0	0	0	0	0	0	---	---	21
22	---	---	0	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0	0.002	0	0	0	0	0	0	---	---	24
25	---	---	0	0.004	0	0	0	0	0	0	---	---	25
26	---	---	0	0.028	0	0	0	0	0	0	---	---	26
27	---	---	0	0.013	0	0	0	0	0	0	---	---	27
28	---	---	0	0.005	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0.001	0	0	0	0	0	0	---	---	29
30	---		0.404B	0.009	0	0	0	0	0	0	---	---	30
31	---		4.26 B		0		0	0	0	0		---	31
TOTAL	---	---	4.664	10.107	0.145	3.579	0.237	0	0	0	---	---	TOTAL
MEAN	---	---	0.151	0.337	0.005	0.119	0.008	0	0	0	---	---	MEAN
MAX	---	---	4.26	3.83	0.052	0.651	0.050	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.076
MAXIMUM DAILY, 4.26B ON MAR 31
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
5.38B AT 12:54 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 44 50 N
LONG 106 22 05 W
DRAINAGE AREA, 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	20.5
FEB	---	AUG	0
MAR	403	SEP	0
APR	873	OCT	0
MAY	12.5	NOV	---
JUN	309	DEC	---

TOTAL DISCHARGE, 1 620 dam³

LAC DES ILES NEAR GOODSOIL - STATION NO. 06AF009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	26.394	26.474	26.520	26.435	26.337	26.200	---	1
2	---	---	---	---	---	26.396	26.478	26.518	26.431	26.331	26.196	---	2
3	---	---	---	---	---	26.398	26.488	26.518	26.427	26.323	26.192	---	3
4	---	---	---	---	---	26.400	26.508	26.518	26.421	26.319	26.188	---	4
5	---	---	---	---	---	26.402	26.510	26.518	26.421	26.311	26.184	---	5
6	---	---	---	---	---	26.404	26.514	26.518	26.417	26.307	26.182	---	6
7	---	---	---	---	---	26.406	26.518	26.499	26.417	26.299	26.180	---	7
8	---	---	---	---	---	26.406	26.518	26.512	26.415	26.295	26.180	---	8
9	---	---	---	---	---	26.406	26.520	26.510	26.413	26.291	26.178	---	9
10	---	---	---	---	---	26.408	26.522	26.508	26.409	26.289	26.178	---	10
11	---	---	---	---	---	26.422	26.524	26.506	26.407	26.287	26.178	---	11
12	---	---	---	---	---	26.426	26.526	26.502	26.403	26.285	26.178	---	12
13	---	---	---	---	---	26.426	26.526	26.500	26.399	26.283	---	---	13
14	---	---	---	---	---	26.430	26.526	26.496	26.397	26.279	---	---	14
15	---	---	---	---	---	26.430	26.528	26.492	26.395	26.275	26.150	---	15
16	---	---	---	---	---	26.430	26.530	26.488	26.391	26.271	---	---	16
17	---	---	---	---	---	26.432	26.528	26.484	26.387	26.267	---	---	17
18	---	---	---	---	---	26.432	26.532	26.482	26.383	26.263	---	---	18
19	---	---	---	---	---	26.434	26.534	26.478	26.379	26.259	---	---	19
20	---	---	---	---	---	26.436	26.536	26.480	26.377	26.255	---	---	20
21	---	---	---	---	---	26.436	26.534	26.486	26.375	26.251	---	---	21
22	---	---	---	---	---	26.438	26.532	26.482	26.373	26.248	---	---	22
23	---	---	---	---	---	26.442	26.530	26.482	26.369	26.244	---	---	23
24	---	---	---	---	---	26.444	26.528	26.478	26.367	26.240	---	---	24
25	---	---	---	---	---	26.446	26.528	26.472	26.363	26.234	---	---	25
26	---	---	---	---	---	26.448	26.526	26.468	26.359	26.230	---	---	26
27	---	---	---	---	---	26.448	26.524	26.468	26.355	26.226	---	---	27
28	---	---	---	---	---	26.452	26.526	26.460	26.351	26.218	---	---	28
29	---		---	---	---	26.456	26.526	26.446	26.347	26.214	---	---	29
30	---		---	---	26.385	26.462	26.520	26.442	26.341	26.210	---	---	30
31	---		---		26.394		26.520	26.438		26.204		---	31
MEAN	---	---	---	---	---	26.426	26.520	26.489	26.391	26.269	---	---	MEAN
MAX	---	---	---	---	---	26.462	26.536	26.520	26.435	26.337	---	---	MAX
MIN	---	---	---	---	---	26.394	26.474	26.438	26.341	26.204	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 26.536 ON JUL 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 26 27 N
LONG 109 18 51 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
7 730 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

LAC LA RONGE AT LA RONGE - STATION NO. 06CB001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	363.745	363.751	363.759	363.777	363.848	363.970	364.028	364.011	363.891	363.754	363.732	363.732	1
2	363.747	363.751	363.763	363.778	363.850	363.971	364.032	363.996	363.886	363.794	363.731	363.736	2
3	363.747	363.754	363.766	363.773	363.852	363.963	364.091	363.990	363.869	363.744	363.727	363.740	3
4	363.750	363.748	363.767	363.774	363.855	363.965	364.065	363.995	363.860	363.750	363.736	363.742	4
5	363.752	363.751	363.767	363.776	363.860	363.964	364.043	363.995	363.859	363.752	363.701	363.738	5
6	363.754	363.750	363.767	363.776	363.863	363.966	364.042	363.994	363.865	363.743	363.721	363.738	6
7	363.758	363.752	363.765	363.774	363.874	363.973	364.039	363.975	363.838	363.751	363.724	363.739	7
8	363.757	363.749	363.768	363.774	363.880	363.972	364.027	363.964	363.839	363.752	363.702	363.740	8
9	363.757	363.747	363.766	363.772	363.887	363.976	364.038	363.974	363.835	363.744	363.691	363.735	9
10	363.755	363.751	363.776	363.771	363.887	363.980	364.045	363.968	363.829	363.741	363.702	363.736	10
11	363.751	363.751	363.774	363.774	363.892	364.015	364.041	363.962	363.835	363.728	363.707	363.735	11
12	363.757	363.747	363.771	363.770	363.900	364.024	364.036	363.955	363.849	363.772	363.733	363.736	12
13	363.755	363.751	363.773	363.774	363.904	364.024	364.030	363.959	363.822	363.753	363.721	363.736	13
14	363.753	363.752	363.775	363.772	363.908	364.017	364.001	363.961	363.815	363.731	363.709	363.738	14
15	363.752	363.752	363.774	363.770	363.907	364.005	363.996	363.966	363.822	363.739	363.711	363.738	15
16	363.750	363.752	363.771	363.771	363.912	364.016	364.008	363.960	363.815	363.735	363.713	363.735	16
17	363.750	363.753	363.769	363.773	363.916	364.018	363.998	363.952	363.793	363.745	363.714	363.740	17
18	363.754	363.751	363.774	363.774	363.920	364.026	363.988	363.950	363.777	363.777	363.714	363.734	18
19	363.752	363.755	363.773	363.774	363.929	364.021	363.998	363.938	363.799	363.754	363.718	363.733	19
20	363.754	363.756	363.774	363.776	363.930	364.023	363.998	363.929	363.795	363.742	363.728	363.735	20
21	363.747	363.752	363.776	363.776	363.932	364.029	363.993	363.928	363.789	363.755	363.722	363.737	21
22	363.751	363.758	363.773	363.781	363.935	364.027	363.995	363.927	363.786	363.747	363.717	363.734	22
23	363.753	363.757	363.775	363.784	363.942	364.037	363.986	363.900	363.789	363.722	363.722	363.734	23
24	363.754	363.757	363.775	363.787	363.945	364.021	363.986	363.899	363.780	363.744	363.721	363.730	24
25	363.758	363.764	363.777	363.794	363.949	364.027	363.988	363.901	363.775	363.739	363.725	363.732	25
26	363.750	363.759	363.779	363.818	363.947	364.030	363.986	363.899	363.754	363.728	363.729	363.739	26
27	363.753	363.766	363.782	363.822	363.950	364.044	363.996	363.882	363.765	363.732	363.732	363.734	27
28	363.755	363.765	363.783	363.819	363.958	364.038	364.007	363.875	363.768	363.740	363.736	363.731	28
29	363.751		363.780	363.832	363.959	364.032	364.014	363.875	363.761	363.716	363.736	363.737	29
30	363.750		363.777	363.842	363.960	364.028	364.014	363.881	363.743	363.750	363.730	363.737	30
31	363.748		363.776		363.961		364.014	363.887		363.737		363.734	31
MEAN	363.752	363.754	363.772	363.784	363.910	364.007	364.016	363.944	363.813	363.746	363.720	363.736	MEAN
MAX	363.758	363.766	363.783	363.842	363.961	364.044	364.091	364.011	363.891	363.794	363.736	363.742	MAX
MIN	363.745	363.747	363.759	363.770	363.848	363.963	363.986	363.875	363.743	363.716	363.691	363.730	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 363.830
MAXIMUM DAILY, 364.091 ON JUL 03
MINIMUM DAILY, 363.691 ON NOV 09
MAXIMUM INSTANTANEOUS,
364.117 AT 08:39 CST ON JUL 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 50 N
LONG 105 18 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1968

DRAINAGE AREA,
15 500 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

LAC PELLETIER NEAR VESPER - STATION NO. 05HD028

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	829.000	---	828.905	828.737	---	---	---	1
2	---	---	---	829.061	---	---	828.882	---	---	828.613	---	---	2
3	---	---	---	---	829.042	---	---	828.901	---	---	---	---	3
4	---	---	---	829.064	---	---	828.894	---	---	828.611	---	---	4
5	---	---	828.969	---	829.042	828.962	---	---	---	---	---	---	5
6	---	---	---	---	---	---	828.918	828.883	828.720	---	---	---	6
7	---	---	828.967	829.064	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	828.711	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	829.064	829.042	828.938	828.920	828.879	---	---	---	---	10
11	---	---	---	---	---	828.938	---	---	---	---	---	---	11
12	---	---	---	---	829.038	---	---	828.857	828.701	---	---	---	12
13	---	---	---	829.074	---	828.930	828.904	---	---	---	---	---	13
14	---	---	829.024	829.070	829.038	---	---	828.843	828.697	---	---	---	14
15	---	---	---	829.072	---	828.928	828.902	---	---	---	---	---	15
16	---	---	---	---	829.058	828.930	---	828.809	828.695	---	---	---	16
17	---	---	---	829.071	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	828.896	828.793	828.687	---	---	---	18
19	---	---	---	829.069	829.046	---	828.904	---	---	---	---	---	19
20	---	---	829.028	---	---	---	---	828.781	828.663	---	---	---	20
21	---	---	---	829.067	---	---	828.902	---	---	---	---	---	21
22	---	---	---	---	---	---	---	828.773	---	---	---	---	22
23	---	---	---	---	---	---	---	---	828.653	---	---	---	23
24	---	---	---	---	829.044	---	---	---	---	---	---	---	24
25	---	---	829.039	829.067	---	---	828.895	---	---	---	---	---	25
26	---	---	---	---	---	---	828.909	---	828.641	---	---	---	26
27	---	---	829.043	---	829.034	828.890	828.913	---	---	---	---	---	27
28	---	828.851	---	829.048	---	828.894	---	828.757	---	---	---	---	28
29	---	---	---	---	---	---	---	---	828.635	---	---	---	29
30	---	---	829.053	829.054	829.006	828.890	828.909	---	828.631	---	---	---	30
31	---	---	829.057	---	829.003E	---	828.907E	828.742E	---	828.575	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 829.074 ON APR 13

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 00 35 N
LONG 107 56 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 111 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ATHABASCA NEAR CRACKINGSTONE POINT - STATION NO. 07MC003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.880E	208.778	208.658	208.536	208.678	209.020	209.689	209.683	209.345	209.003	208.733	208.635	1
2	208.870E	208.770	208.642	208.538	208.704	209.053	209.685	209.675	209.343	208.958	208.728	208.625	2
3	208.874E	208.769	208.641	208.538	208.735	209.058	209.665	209.636	209.330	208.950	208.726	208.620	3
4	208.869E	208.777	208.636	208.530	208.770	209.074	209.686	209.634	209.320	208.958	208.717	208.626	4
5	208.864E	208.765	208.633	208.527	208.801	209.090	209.692	209.615	209.288	208.958	208.717	208.626	5
6	208.860E	208.768	208.629	208.533	208.813	209.108	209.689	209.602	209.296	208.959	208.711	208.611	6
7	208.857E	208.763	208.628	208.528	208.832	209.113	209.684	209.623	209.290	208.956	208.721	208.615	7
8	208.853E	208.772	208.633	208.525	208.851	209.157	209.677	209.564	209.265	208.958	208.679	208.625	8
9	208.850E	208.761	208.641	208.521	208.868	209.165	209.654	209.554	209.263	208.963	208.682	208.622	9
10	208.848E	208.749	208.627	208.518	208.885	209.194	209.673	209.540	209.233	208.914	208.687	208.618	10
11	208.846E	208.748	208.623	208.521	208.899	209.149	209.683	209.539	209.218	208.900	208.679	208.616A	11
12	208.844E	208.748	208.619	208.524	208.910	209.175	209.676	209.531	209.200	208.863	208.660	208.609A	12
13	208.842E	208.737	208.616	208.521	208.922	209.228	209.721	209.512	209.216	208.862	208.679	208.608	13
14	208.840E	208.733	208.610	208.523	208.934	209.254	209.728	209.500	209.205	208.877	208.700	208.609	14
15	208.838E	208.725	208.606	208.524	208.949	209.269	209.713	209.482	209.199	208.865	208.688	208.611	15
16	208.835A	208.719	208.607	208.526	208.957	209.279	209.715	209.455	209.190	208.854	208.680	208.597	16
17	208.828A	208.713	208.598	208.522	208.975	209.349	209.717	209.449	209.181	208.846	208.684	208.601	17
18	208.827	208.708	208.595	208.528	208.987	209.424	209.713	209.486	209.167	208.815	208.676	208.607	18
19	208.821	208.698	208.594	208.529	208.996	209.484	209.713	209.472	209.153	208.812	208.663	208.604	19
20	208.820	208.706	208.586	208.527	209.001	209.543	209.720	209.476	209.134	208.835	208.652	208.599	20
21	208.827	208.696	208.585	208.533	209.010	209.584	209.721	209.441	209.126	208.801	208.662	208.593	21
22	208.817	208.692A	208.585	208.536	209.017	209.608	209.722	209.416	209.141	208.780	208.677	208.609	22
23	208.820	208.691A	208.578	208.546	209.025	209.627	209.712	209.460	209.111	208.803	208.672	208.606	23
24	208.811	208.678A	208.577	208.548	209.041	209.661	209.712	209.459	209.120	208.812	208.670	208.612	24
25	208.808	208.680A	208.566	208.553	209.048	209.669	209.705	209.426	209.108	208.807	208.659	208.601	25
26	208.811	208.672	208.559	208.565	209.053	209.669	209.705	209.417	209.080	208.793	208.646	208.595	26
27	208.804	208.661	208.562	208.579	209.010	209.679	209.709	209.411	209.068	208.757	208.646	208.609	27
28	208.802	208.661	208.553	208.601	209.017	209.703	209.688	209.400	209.073	208.754	208.637	208.605	28
29	208.799		208.553	208.629	209.038	209.711	209.679	209.380	209.090	208.776	208.647	208.593	29
30	208.798		208.555	208.652	209.051	209.701	209.682	209.360	209.046	208.726	208.645	208.597	30
31	208.787		208.543		209.018		209.659	209.335		208.738		208.592A	31
MEAN	208.834	208.726	208.601	208.543	208.929	209.360	209.696	209.501	209.192	208.860	208.681	208.610	MEAN
MAX	208.880	208.778	208.658	208.652	209.053	209.711	209.728	209.683	209.345	209.003	208.733	208.635	MAX
MIN	208.787	208.661	208.543	208.518	208.678	209.020	209.654	209.335	209.046	208.726	208.637	208.592	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 208.963
MAXIMUM DAILY, 209.728 ON JUL 14
MINIMUM DAILY, 208.518 ON APR 10
MAXIMUM INSTANTANEOUS,
209.837 AT 18:45 CST ON JUL 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 22 55 N
LONG 108 52 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 271 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

LAKE DIEFENBAKER AT GARDINER DAM - STATION NO. 05HF003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	554.003	553.242	552.000	551.469	552.343	553.335	556.517	556.766	556.784	556.454	555.525	554.335	1
2	553.950	553.210	551.963	551.514	552.354	553.335	556.471	556.761	556.789	556.478	555.492	554.290	2
3	553.919	553.187	551.949	551.576	552.378	553.339	556.554	556.758	556.777	556.435	555.460	554.264	3
4	553.891	553.155	551.912	551.612	552.401	554.003	556.442	556.770	556.784	556.356	555.439	554.248	4
5	553.870	553.126	551.890	551.647	552.431	554.205	556.460	556.773	556.787	556.326	555.395	554.197	5
6	553.876	553.112	551.871	551.703	552.470	554.408	556.488	556.781	556.769	556.320	555.374	554.164	6
7	553.853	553.090	551.845	551.764	552.474	554.609	556.508	556.774	556.781	556.306	555.355	554.131	7
8	553.820	553.042	551.830	551.826	552.446	554.860	556.530	556.763	556.731	556.305	555.308	554.094	8
9	553.803	552.997	551.808	551.888	552.468	555.093	556.560	556.758	556.727	556.296	555.266	554.043	9
10	553.788	552.962	551.793	551.939	552.456	555.278	556.631	556.772	556.725	556.282	555.206	554.006	10
11	553.752	552.920	551.772	551.990	552.461	555.490	556.693	556.781	556.715	556.218	555.140	553.977	11
12	553.723	552.830	551.762	552.030	552.475	555.597	556.743	556.790	556.719	556.204	555.118	553.935	12
13	553.704	552.776	551.751	552.061	552.557	555.663	556.769	556.789	556.703	556.156	555.106	553.920	13
14	553.701	552.726	551.724	552.095	552.599	555.773	556.766	556.771	556.701	556.092	555.052	553.898	14
15	553.692	552.666	551.705	552.109	552.632	555.868	556.773	556.776	556.677	556.033	555.026	553.879	15
16	553.667	552.599	551.691	552.121	552.678	555.966	556.749	556.762	556.668	555.970	554.996	553.833	16
17	553.653	552.556	551.645	552.118	552.712	556.086	556.746	556.750	556.670	555.937	554.955	553.797	17
18	553.650	552.516	551.614	552.135	552.734	556.203	556.727	556.747	556.641	555.899	554.923	553.770	18
19	553.642	552.486	551.564	552.159	552.757	556.322	556.718	556.753	556.624	555.859	554.912	553.738	19
20	553.639	552.458	551.558	552.191	552.782	556.404	556.710	556.769	556.597	555.817	554.874	553.726	20
21	553.636	552.398	551.536	552.207	552.806	556.450	556.722	556.770	556.584	555.788	554.841	553.695	21
22	553.611	552.356	551.504	552.241	552.830	556.478	556.749	556.781	556.580	555.763	554.769	553.667	22
23	553.589	552.297	551.493	552.253	552.824	556.511	556.757	556.757	556.589	555.739	554.719	553.649	23
24	553.561	552.226	551.480	552.266	552.810	556.540	556.754	556.735	556.586	555.704	554.654	553.596	24
25	553.525	552.185	551.465	552.275	552.831	556.548	556.738	556.732	556.569	555.694	554.609	553.557	25
26	553.496	552.128	551.446	552.270	552.856	556.570	556.755	556.745	556.535	555.680	554.578	553.522	26
27	553.447	552.079	551.433	552.262	552.884	556.572	556.793	556.771	556.509	555.602	554.538	553.492	27
28	553.427	552.047	551.414	552.262	552.889	556.551	556.795	556.785	556.493	555.595	554.505	553.416	28
29	553.388		551.388	552.290	552.893	556.541	556.788	556.796	556.481	555.561	554.480	553.366	29
30	553.331		551.402	552.322	552.934	556.513	556.790	556.809	556.472	555.533	554.396	553.319	30
31	553.290		551.426		553.101		556.775	556.799		555.520		553.262	31
MEAN	553.673	552.692	551.667	552.020	552.654	555.590	556.676	556.769	556.659	555.997	555.000	553.832	MEAN
MAX	554.003	553.242	552.000	552.322	553.101	556.572	556.795	556.809	556.789	556.478	555.525	554.335	MAX
MIN	553.290	552.047	551.388	551.469	552.343	553.335	556.442	556.732	556.472	555.520	554.396	553.262	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 554.446
MAXIMUM DAILY, 556.809 ON AUG 30
MINIMUM DAILY, 551.388 ON MAR 29
MAXIMUM INSTANTANEOUS,
556.881 AT 20:24 CST ON AUG 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 16 49 N
LONG 106 50 18 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1965
DRAINAGE AREA,
136 000 km²

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

REMARKS - LEVELS IN OCT. HIGHER THAT THOSE RECORDED AT SASKATCHEWAN LANDING FOR SOME UNEXPLAINED REASON

LAKE DIEFENBAKER AT SASKATCHEWAN LANDING - STATION NO. 05HC004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	551.965	551.482	552.358	553.266	556.539	556.724	556.804	556.430	---	---	1
2	---	---	551.958	551.542	552.387	553.525	556.533	556.744	556.812	556.349	---	---	2
3	---	---	551.927	551.576	552.386	553.735	556.338	556.748	556.817	556.297	---	---	3
4	---	---	551.919	551.624	552.394	553.902	556.412	556.753	556.801	556.337	---	---	4
5	---	---	551.900	551.657	552.426	554.147	556.461	556.764	556.806	556.304	---	---	5
6	---	---	551.876	551.729	552.427	554.360	556.501	556.772	556.817	556.269	---	---	6
7	---	---	551.845	551.786	552.443	554.582	556.486	556.759	556.787	556.247	---	---	7
8	---	---	551.817	551.865	552.473	554.818	556.501	556.754	556.797	556.241	---	---	8
9	---	---	551.785	551.904	552.453	555.073	556.561	556.762	556.753	556.240	---	---	9
10	---	---	551.788	551.944	552.448	555.289	556.614	556.766	556.748	556.173	---	---	10
11	---	---	551.764	551.992	552.466	555.334	556.687	556.779	556.752	556.162	---	---	11
12	---	---	551.747	552.034	552.523	555.486	556.729	556.776	556.735	556.120	---	---	12
13	---	---	551.742	552.067	552.554	555.655	556.745	556.779	556.703	556.079	---	---	13
14	---	---	551.712	552.089	552.612	555.748	556.743	556.795	556.696	556.029	---	---	14
15	---	---	551.681	552.114	552.653	555.850	556.734	556.802	556.706	555.994	---	---	15
16	---	---	551.664	552.110	552.678	555.951	556.745	556.807	556.695	555.961	---	---	16
17	---	---	551.630	552.124	552.725	556.053	556.699	556.790	556.647	555.897	---	---	17
18	---	---	551.608	552.158	552.762	556.186	556.704	556.775	556.644	555.858	---	---	18
19	---	---	551.584	552.168	552.749	556.286	556.695	556.774	556.626	555.804	---	---	19
20	---	---	551.562	552.179	552.792	556.365	556.686	556.778	556.583	555.759	---	---	20
21	---	---	551.528	552.224	552.797	556.412	556.702	556.793	556.579	555.741	---	---	21
22	---	---	551.504	552.234	552.828	556.462	556.715	556.764	556.565	555.717	---	---	22
23	---	---	551.487	552.252	552.862	556.488	556.742	556.764	556.562	555.683	---	---	23
24	---	---	551.470	552.266	552.895	556.517	556.754	556.770	556.539	555.675	---	---	24
25	---	---	551.465	552.270	552.927	556.525	556.757	556.782	556.541	555.642	---	---	25
26	---	---	551.457	552.307	552.895	556.564	556.728	556.774	556.514	555.569	---	---	26
27	---	---	551.423	552.329	552.880	556.526	556.733	556.782	556.497	555.592	---	---	27
28	---	551.997A	551.409	552.308	552.902	556.520	556.749	556.790	556.473	555.536	---	---	28
29	---		551.398	552.274	552.928	556.534	556.774	556.803	556.445	555.534	---	---	29
30	---		551.407	552.318	552.937	556.536	556.772	556.805	556.423	555.520	---	---	30
31	---		551.431		553.078		556.754	556.775		555.510A		---	31
MEAN	---	---	551.660	552.030	552.666	555.557	556.655	556.774	556.662	555.944	---	---	MEAN
MAX	---	---	551.965	552.329	553.078	556.564	556.774	556.807	556.817	556.430	---	---	MAX
MIN	---	---	551.398	551.482	552.358	553.266	556.338	556.724	556.423	555.510	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 556.817 ON SEP 03

MAXIMUM INSTANTANEOUS,
556.893 AT 17:59 CST ON SEP 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 21 N
LONG 107 58 08 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
136 000 km²

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

REMARKS - LEVELS IN OCT. LOWER THEN THOSE RECORDED AT GARDINER DAM FOR SOME UNEXPLAINED REASON

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.493	0	0	0	0.422	0	0	---	---	1
2	---	---	0 B	0.204	0	0	0	0.283	0	0	---	---	2
3	---	---	0.021B	0.115	0	0	0	0.200	0	0	---	---	3
4	---	---	0.036B	0.063	0	0	0	0.151	0	0	---	---	4
5	---	---	0.035B	0.040	0	0	0.062	0.123	0	0	---	---	5
6	---	---	0.068B	0.022	0	0	0.136	0.102	0	0	---	---	6
7	---	---	0.067B	0.011	0	0	0.063	0.081	0	0	---	---	7
8	---	---	0.045B	0.006	0	0	0.022	0.064	0	0	---	---	8
9	---	---	0.048B	0.003	0	0	0.005	0.049	0	0	---	---	9
10	---	---	0.033B	0	0	0	0.007	0.040	0	0	---	---	10
11	---	---	0.017B	0	0	0	0.002	0.031	0	0	---	---	11
12	---	---	0.025B	0	0	0	0	0.023	0	0	---	---	12
13	---	---	0.019B	0	0	0	0	0.018	0	0	---	---	13
14	---	---	0.005B	0	0	0	0	0.010	0	0	---	---	14
15	---	---	0.005B	0	0	0	0	0.005	0	0	---	---	15
16	---	---	0.003B	0	0	0	0	0.002	0	0	---	---	16
17	---	---	0.001B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.036B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.047B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.064B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.032B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.039B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.024B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.035B	0	0	0	2.11	0	0	0	---	---	26
27	---	0 B	0.108B	0	0	0	2.27	0	0	0	---	---	27
28	---	0.005B	0.243B	0	0	0	1.47	0	0	0	---	---	28
29	---		1.13 B	0	0	0	1.30	0	0	0	---	---	29
30	---		1.49 B	0	0	0	0.909	0	0	0	---	---	30
31	---		1.03		0		0.621	0		0		---	31
TOTAL	---	---	4.707	0.957	0	0	8.977	1.604	0	0	---	---	TOTAL
MEAN	---	---	0.152	0.032	0	0	0.290	0.052	0	0	---	---	MEAN
MAX	---	---	1.49	0.493	0	0	2.27	0.422	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.066
MAXIMUM DAILY, 2.27 ON JUL 27
MINIMUM DAILY, 0B ON MAR 02
MAXIMUM INSTANTANEOUS,
11.4 AT 15:27 CST ON JUL 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 25 N
LONG 105 46 41 W
DRAINAGE AREA, 64.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	776
FEB	---	AUG	139
MAR	407	SEP	0
APR	82.7	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 400 dam³

REMARKS - THE STAGE DISCHARGE RELATION WAS NOT DEFINED BY DISCHARGE MEASUREMENT ABOVE 1 M3/S DURING 1990

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002	0.308	0	0	0	0	0	---	---	1
2	---	---	0 B	0.003	0.218	0	0	0	0	0	---	---	2
3	---	---	0 B	0.003	0.145	0	0	0	0	0	---	---	3
4	---	---	0 B	0.080	0.082	0	0	0	0	0	---	---	4
5	---	---	0 B	3.07	0.033	0	0	0	0	0	---	---	5
6	---	---	0 B	8.64	0.011	0	0	0	0	0	---	---	6
7	---	---	0 B	11.2	0.005	0	0	0	0	0	---	---	7
8	---	---	0 B	10.4	0.073	0	0	0	0	0	---	---	8
9	---	---	0 B	9.44	0.102	0	0	0	0	0	---	---	9
10	---	---	0 B	7.33	0.090	0	0	0	0	0	---	---	10
11	---	---	0.008B	5.37	0.078	0	0	0	0	0	---	---	11
12	---	---	0.006B	4.74	0.063	0	0	0	0	0	---	---	12
13	---	---	0.001B	3.33	0.052	0	0	0	0	0	---	---	13
14	---	---	0 B	2.53	0.037	0	0	0	0	0	---	---	14
15	---	---	0 B	2.05	0.033	0	0	0	0	0	---	---	15
16	---	---	0.001B	1.69	0.039	0	0	0	0	0	---	---	16
17	---	---	0.026B	1.33	0.028	0	0	0	0	0	---	---	17
18	---	---	0.014B	1.04	0.012	0	0	0	0	0	---	---	18
19	---	---	0.036B	0.879	0.002	0	0	0	0	0	---	---	19
20	---	---	0.082B	0.720	0	0	0	0	0	0	---	---	20
21	---	---	0.067B	0.594	0	0	0	0	0	0	---	---	21
22	---	---	0.020B	0.506	0	0	0	0	0	0	---	---	22
23	---	---	0.009B	0.448	0	0	0	0	0	0	---	---	23
24	---	---	0.002B	0.430	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.480	0	0	0	0	0	0	---	---	25
26	---	---	0.002B	0.514	0	0	0	0	0	0	---	---	26
27	---	---	0.002B	0.475	0	0	0	0	0	0	---	---	27
28	---	---	0.006B	0.421	0	0	0	0	0	0	---	---	28
29	---	---	0.010B	0.351	0	0	0	0	0	0	---	---	29
30	---		0.005B	0.323	0	0	0	0	0	0	---	---	30
31	---		0.002		0		0	0		0		---	31
TOTAL	---	---	0.299	78.389	1.411	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.010	2.61	0.046	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.082	11.2	0.308	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.327
MAXIMUM DAILY, 11.2 ON APR 07
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
11.4 AT 12:00 CST ON APR 07

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 58 N
LONG 105 14 14 W
DRAINAGE AREA, 2 360 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	25.8	SEP	0
APR	6 770	OCT	0
MAY	122	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 6 920 dam³

LARSEN RESERVOIR NEAR RADVILLE - STATION NO. 05NA006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	629.590E	---	629.618	630.149	630.858E	630.781	630.797	631.091	630.972	630.835	630.750	---	1
2	---	---	629.618	630.189	630.856E	630.787	630.826	631.086	630.977	630.833	630.748A	---	2
3	---	---	629.620	630.230	630.855A	630.794	631.320	631.080	630.982	630.825	---	---	3
4	---	---	629.619	630.332	630.853	630.790	631.261	631.071	630.972	630.818	---	---	4
5	---	---	629.618	630.454	630.851	630.791	631.184	631.069	630.971	630.818	---	630.720A	5
6	---	---	629.617	630.532	630.847	630.788	631.163	631.063	630.966	630.809	---	---	6
7	---	---	629.620	630.633	630.848	630.786	631.149	631.055	630.959	630.803	---	---	7
8	---	---	629.624	630.720	630.846	630.786	631.141	631.048	630.955	630.802	---	---	8
9	---	---	629.629	630.829	630.841	630.784	631.134	631.041	630.948	630.799	---	---	9
10	---	---	629.627	630.915	630.840	630.779	631.132	631.033	630.944	630.799	---	---	10
11	---	---	629.628	630.924	630.837	630.783	631.146	631.033	630.943	630.793	---	---	11
12	---	---	629.637	630.924	630.832	630.772	631.131	631.029	630.933	630.786	---	---	12
13	---	---	629.664	630.924	630.833	630.767	631.120	631.020	630.927	630.789	---	---	13
14	---	---	629.668	630.925	630.824	630.764	631.116	631.013	630.918	630.786	---	---	14
15	---	---	629.677	630.918	630.827	630.756	631.105	631.004	630.914	630.783	---	---	15
16	---	---	629.684	630.913	630.841	630.756	631.100	630.998	630.906	630.781	---	---	16
17	---	---	629.685	630.906	630.826	630.755	631.094	630.994	630.905	630.779	---	---	17
18	---	---	629.684	630.904	630.817	630.752	631.089	631.012	630.898	630.776	---	---	18
19	---	---	629.688	630.904	630.818	630.755	631.085	631.013	630.893	630.779	---	---	19
20	---	---	629.692	630.901	630.814	630.750	631.083	631.012	630.889	630.774	---	---	20
21	---	---	629.696	630.896	630.821	630.745	631.081	631.008A	630.879	630.766	---	---	21
22	---	---	629.696	630.892	630.824	630.739	631.077	631.004E	630.874	630.770	---	---	22
23	---	---	629.696	630.888	630.819	630.733	631.073	631.002A	630.870	630.765	---	---	23
24	---	---	629.698	630.886	630.813	630.733	631.071	631.001	630.869	630.762	---	---	24
25	---	---	629.701	630.883	630.805	630.728	631.064	631.002	630.865	630.764	---	---	25
26	---	---	629.702	630.878	630.803	630.729	631.093	631.002	630.860	630.765	---	---	26
27	---	---	629.708	630.870A	630.802	630.762	631.101	631.005A	630.851	630.756	---	630.719A	27
28	---	629.618A	629.717	630.867E	630.799	630.764	631.102	630.997A	630.846	630.755	---	---	28
29	---		629.733	630.864E	630.792	630.772	631.095	630.995A	630.837	630.753	---	---	29
30	---		629.776	630.862E	630.784	630.765	631.093	630.989A	630.838	630.751	630.724E	---	30
31	629.605E		630.011		630.783		631.093	630.983A		630.753		630.719E	31
MEAN	---	---	629.679	630.764	630.826	630.765	631.101	631.024	630.912	630.785	---	---	MEAN
MAX	---	---	630.011	630.925	630.858	630.794	631.320	631.091	630.982	630.835	---	---	MAX
MIN	---	---	629.617	630.149	630.783	630.728	630.797	630.983	630.837	630.751	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 631.320 ON JUL 03
MINIMUM DAILY, 629.590E ON JAN 01
MAXIMUM INSTANTANEOUS,
631.475 AT 11:16 CST ON JUL 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 30 N
LONG 104 16 50 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
24.6 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - WATER WAS PUMPED INTO THE RESERVOIR FROM APRIL 3 TO 10

LAST MOUNTAIN LAKE AT ROWAN'S RAVINE - STATION NO. 05JH004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	489.453	489.473	489.485	489.615	489.708	489.812	489.851	489.914	489.856	489.748	489.689	489.626	1
2	489.458	489.474	489.487	489.619	489.707	489.822	489.855	489.915	489.856	489.748	489.682	489.625	2
3	489.455	489.475	489.486	489.631	489.710	489.812	489.866	489.915	489.868	489.748	489.672	489.629	3
4	489.455	489.476	489.484	489.637	489.715	489.804	489.878	489.904	489.847	489.734	489.659	489.631	4
5	489.456	489.476	489.484	489.642	489.717	489.827	489.864	489.904	489.845	489.748	489.675	489.632	5
6	489.457	489.477	489.482	489.648	489.719	489.823	489.872	489.899	489.850	489.733	489.658	489.631	6
7	489.454	489.478	489.483	489.653	489.726	489.828	489.886	489.906	489.838	489.722	489.642	489.631	7
8	489.457	489.475	489.487	489.662	489.743	489.832	489.880	489.905	489.847	489.719	489.657	489.632	8
9	489.455	489.474	489.490	489.664	489.730	489.833	489.883	489.900	489.833	489.715	489.653	489.634	9
10	489.457	489.479	489.496	489.666	489.741	489.834	489.887	489.893	489.821	489.726	489.654	489.637	10
11	489.455	489.482	489.505	489.668	489.740	489.837	489.898	489.897	489.828	489.725	489.648	489.641	11
12	489.453	489.475	489.515	489.671	489.739	489.824	489.889	489.889	489.811	489.698	489.635	489.644	12
13	489.456	489.471	489.532	489.675	489.750	489.852	489.883	489.898	489.819	489.712	489.638	489.644	13
14	489.457	489.475	489.536	489.676	489.751	489.838	489.903	489.887	489.807	489.712	489.647	489.644	14
15	489.461	489.476	489.543	489.678	489.765	489.836	489.894	489.892	489.807	489.708	489.641	489.643	15
16	489.464	489.476	489.545	489.678	489.792	489.840	489.895	489.894	489.781	489.712	489.637	489.647	16
17	489.460	489.476	489.548	489.679	489.781	489.847	489.893	489.879	489.791	489.703	489.639	489.644	17
18	489.459	489.475	489.552	489.680	489.765	489.853	489.890	489.874	489.788	489.677	489.636	489.652	18
19	489.463	489.477	489.557	489.682	489.780	489.858	489.884	489.874	489.788	489.708	489.631	489.652	19
20	489.464	489.477	489.564	489.686	489.787	489.864	489.887	489.874	489.800	489.697	489.633	489.652	20
21	489.463	489.480	489.569	489.689	489.793	489.865	489.878	489.874	489.786	489.686	489.632A	489.652	21
22	489.464	489.480	489.568	489.690	489.802	489.859	489.878	489.875	489.775	489.692	489.636A	489.651	22
23	489.468	489.481	489.569	489.694	489.803	489.852	489.876	489.882	489.771	489.692	489.624	489.657	23
24	489.467	489.479	489.573	489.695	489.794	489.864	489.880	489.889	489.777	489.673	489.623	489.658	24
25	489.465	489.480	489.580	489.703	489.792	489.867	489.880	489.878	489.772	489.685	489.621	489.652	25
26	489.464	489.479	489.585	489.710	489.797	489.867	489.885	489.876	489.783	489.697	489.623	489.653	26
27	489.463	489.479	489.589	489.707	489.801	489.866	489.913	489.874	489.771	489.683	489.621	489.657	27
28	489.467	489.481	489.590	489.716	489.803	489.859	489.929	489.872	489.770	489.671	489.622	489.655	28
29	489.473		489.595	489.718	489.793	489.857	489.918	489.870	489.728	489.680	489.623	489.652	29
30	489.475		489.602	489.716	489.789	489.850	489.912	489.865	489.758	489.677	489.628	489.654	30
31	489.474		489.607		489.801		489.911	489.860		489.683		489.657	31
MEAN	489.461	489.477	489.538	489.675	489.763	489.843	489.887	489.888	489.806	489.707	489.643	489.644	MEAN
MAX	489.475	489.482	489.607	489.718	489.803	489.867	489.929	489.915	489.868	489.748	489.689	489.658	MAX
MIN	489.453	489.471	489.482	489.615	489.707	489.804	489.851	489.860	489.728	489.671	489.621	489.625	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 489.696
MAXIMUM DAILY, 489.929 ON JUL 28
MINIMUM DAILY, 489.453 ON JAN 01
MAXIMUM INSTANTANEOUS,
489.973 AT 20:35 CST ON AUG 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 59 52 N
LONG 105 11 08 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
14 600 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.30 B	0.031	0.001	0	0	0	0	---	---	1
2	---	---	0 B	2.44	0.053	0.001	0	0	0	0	---	---	2
3	---	---	0 B	3.93	0.082	0.001	0	0	0	0	---	---	3
4	---	---	0 B	4.14	0.092	0.001	0.001	0	0	0	---	---	4
5	---	---	0 B	2.81	0.083	0.001	0.001	0	0	0	---	---	5
6	---	---	0 B	2.09	0.066	0.001	0.001	0	0	0	---	---	6
7	---	---	0 B	1.54	0.051	0.001	0.001	0	0	0	---	---	7
8	---	---	0 B	1.10	0.048	0.001	0.001	0	0	0	---	---	8
9	---	---	0 B	0.782	0.056	0.001	0.001	0	0	0	---	---	9
10	---	---	0 B	0.535	0.064	0.001	0.001	0	0	0	---	---	10
11	---	---	0 B	0.508	0.073	0.001	0.001	0	0	0	---	---	11
12	---	---	0 B	0.462	0.114	0.001	0.001	0	0	0	---	---	12
13	---	---	0 B	0.366	0.085	0.001	0.001	0	0	0	---	---	13
14	---	---	0 B	0.284	0.063	0.001	0.001	0	0	0	---	---	14
15	---	---	0 B	0.214	0.058	0.001	0.001	0	0	0	---	---	15
16	---	---	0 B	0.149	0.058	0.001	0.001	0	0	0	---	---	16
17	---	---	0 B	0.103	0.051	0.001	0	0	0	0	---	---	17
18	---	---	0 B	0.079	0.046	0.001	0	0	0	0	---	---	18
19	---	---	0 B	0.064	0.045	0.001	0	0	0	0	---	---	19
20	---	---	0 B	0.062	0.046	0.001	0	0	0	0	---	---	20
21	---	---	0 B	0.057	0.044	0	0	0	0	0	---	---	21
22	---	---	0 B	0.051	0.040	0	0	0	0	0	---	---	22
23	---	---	0 B	0.044	0.035	0	0	0	0	0	---	---	23
24	---	---	0 B	0.045	0.031	0	0	0	0	0	---	---	24
25	---	---	0 B	0.036	0.025	0	0	0	0	0	---	---	25
26	---	---	0 B	0.031	0.020	0	0	0	0	0	---	---	26
27	---	---	0 B	0.030	0.016	0	0	0	0	0	---	---	27
28	---	---	0 B	0.028	0.012	0	0	0	0	0	---	---	28
29	---	---	0 B	0.027	0.005	0	0	0	0	0	---	---	29
30	---		0.428B	0.022	0.001	0	0	0	0	0	---	---	30
31	---		1.29 B		0.001		0	0		0		---	31
TOTAL	---	---	1.718	23.329	1.495	0.020	0.013	0	0	0	---	---	TOTAL
MEAN	---	---	0.055	0.778	0.048	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	1.29	4.14	0.114	0.001	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.022	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.108
MAXIMUM DAILY, 4.14 ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.88 AT 01:48 CST ON APR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 32 N
LONG 104 14 24 W
DRAINAGE AREA, 165 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.12
FEB	---	AUG	0
MAR	148	SEP	0
APR	2 020	OCT	0
MAY	129	NOV	---
JUN	1.73	DEC	---

TOTAL DISCHARGE, 2 300 dam³

LENORE LAKE NEAR MIDDLE LAKE - STATION NO. 05KA011

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	524.714	524.613	524.511	---	---	1
2	---	---	---	---	---	---	524.784	---	---	---	---	---	2
3	---	---	---	---	---	524.788	---	---	---	---	---	---	3
4	---	---	---	---	---	524.783	---	524.706	524.601	---	---	---	4
5	---	---	---	---	---	---	524.804	524.704	524.597	524.500	---	---	5
6	---	---	---	---	---	524.778	---	---	524.591	---	---	---	6
7	---	---	---	---	---	524.818	---	524.692	---	524.494	524.467	---	7
8	---	---	---	---	---	---	---	---	---	524.492	---	---	8
9	---	---	---	---	---	524.816	524.800	524.685	---	524.491	---	---	9
10	---	---	---	---	---	---	524.797	524.686	---	---	---	---	10
11	---	---	---	---	---	---	524.761	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	524.481	---	---	12
13	---	---	---	---	---	---	---	---	---	524.481	---	---	13
14	---	---	---	---	---	524.831	---	---	---	---	---	---	14
15	---	---	---	---	524.828	---	524.749	---	524.560	524.559	524.481	---	15
16	---	---	---	---	---	524.821	524.752	---	---	---	---	---	16
17	---	---	---	---	524.837	---	524.746	524.647	---	524.478	---	---	17
18	---	---	---	---	---	524.816	---	---	---	---	---	---	18
19	---	---	---	---	---	524.813	---	524.647	524.547	524.466	---	---	19
20	---	---	---	---	---	---	---	524.646	---	---	---	---	20
21	---	---	---	---	524.829	---	524.740	---	524.538	---	---	---	21
22	---	---	---	---	524.832	524.804	---	---	524.537	524.466	---	---	22
23	---	---	---	---	524.830	---	524.735	---	---	---	---	---	23
24	---	---	---	---	---	---	524.731	524.638	524.534	524.466	---	---	24
25	---	---	---	---	---	524.785	---	---	524.531	---	---	---	25
26	---	---	---	---	524.819	524.788	524.726	---	---	---	---	---	26
27	---	---	---	---	524.818	---	---	524.633	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	524.463	---	---	30
31	---		---		524.798	---	524.729	---	524.513	---	---	---	31
					524.797		524.721	524.618		524.460			
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 33 N
LONG 105 00 52 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
2 220 km²

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.797	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.294	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.095	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.060	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.036	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.026	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.017	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.009	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0.001	0	0	0	0	0	0	---	---	9
10	---	---	0.097B	0	0	0	0	0	0	0	---	---	10
11	---	---	1.29 B	0	0	0	0	0	0	0	---	---	11
12	---	---	2.41 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.690B	0	0	0	0	0	0	0	---	---	13
14	---	---	0.935B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.431B	0	0	0	0	0	0	0	---	---	15
16	---	---	0.380B	0	0	0	0	0	0	0	---	---	16
17	---	---	0.380B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.236B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.265B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.289B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.264B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.301B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.202B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.196B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.089B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.071B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.064B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.105B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.179B	0	0	0	0	0	0	0	---	---	29
30	---		0.425B	0	0	0	0	0	0	0	---	---	30
31	---		0.999		0		0	0		0		---	31
TOTAL	---	---	10.298	1.335	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.332	0.045	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	2.41	0.797	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.047
MAXIMUM DAILY, 2.41B ON MAR 12
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.81B AT 12:33 CST ON MAR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 18 02 N
LONG 105 22 52 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	890	SEP	0
APR	115	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 010 dam³

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 01
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.000 AT 00:00 CST ON MAR 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 17 N
LONG 101 43 08 W
DRAINAGE AREA, 740 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.059B	0.302	0.201	0.031	0.011	0.005	0.001	---	---	1
2	---	---	0 B	0.092B	0.374	0.189	0.025	0.006	0.005	0.001	---	---	2
3	---	---	0 B	0.481B	0.556	0.149	0.192	0.006	0.005	0.004	---	---	3
4	---	---	0 B	0.982B	0.296	0.119	0.340	0.003	0.004	0.005	---	---	4
5	---	---	0 B	1.64 B	0.189	0.134	0.287	0.008	0.004	0.003	---	---	5
6	---	---	0 B	2.27 B	0.189	0.098	0.241	0.006	0.004	0.003	---	---	6
7	---	---	0 B	2.05 B	0.201	0.079	0.230	0.006	0.004	0.001	---	---	7
8	---	---	0 B	1.82 B	0.328	0.068	0.222	0.006	0.004	0.001	---	---	8
9	---	---	0 B	1.75 B	0.330	0.060	0.214	0.005	0.004	0.001	---	---	9
10	---	---	0 B	1.60 B	0.295	0.046	0.203	0.005	0.004	0.007	---	---	10
11	---	---	0 B	1.40 B	0.245	0.060	0.181	0.005	0.004	0.011	---	---	11
12	---	---	0 B	1.23 B	0.255	0.049	0.171	0.004	0.001	0.001	---	---	12
13	---	---	0 B	1.15 B	0.219	0.052	0.153	0.004	0.004	0.001	---	---	13
14	---	---	0 B	1.02 B	0.172	0.037	0.154	0.004	0.001	0.003	---	---	14
15	---	---	0 B	0.933B	0.143	0.035	0.107	0.004	0.001	0.003	---	---	15
16	---	---	0 B	0.885B	0.140	0.031	0.079	0.004	0.001	0.001	---	---	16
17	---	---	0 B	0.848B	0.115	0.039	0.094	0.003	0.001	0.004	---	---	17
18	---	---	0.002B	0.869	0.085	0.042	0.089	0.003	0.004	0.006	---	---	18
19	---	---	0.010B	1.01	0.076	0.041	0.078	0.003	0.001	0.005	---	---	19
20	---	---	0.010B	1.17	0.072	0.043	0.062	0.003	0.001	0.005	---	---	20
21	---	---	0.005B	1.29	0.074	0.036	0.061	0.003	0.003	0.003	---	---	21
22	---	---	0.002B	1.38	0.164	0.032	0.060	0.003	0.005	0.002	---	---	22
23	---	---	0 B	1.36	0.179	0.024	0.044	0.003	0.005	0.003	---	---	23
24	---	---	0 B	1.13	0.195	0.026	0.033	0.005	0.006	0.001	---	---	24
25	---	---	0 B	0.949	0.224	0.024	0.018	0.005	0.004	0.002	---	---	25
26	---	---	0.002B	0.792	0.212	0.015	0.013	0.005	0.006	0.006	---	---	26
27	---	---	0.005B	0.580	0.222	0.019	0.038	0.005	0.001	0.005	---	---	27
28	---	---	0.010B	0.465	0.202	0.048	0.050	0.005	0.001	0.003	---	---	28
29	---	---	0.020B	0.416	0.222	0.044	0.029	0.005	0.001	0.003	---	---	29
30	---		0.030B	0.335	0.217	0.036	0.021	0.003	0.003	0.004	---	---	30
31	---		0.040B		0.193		0.015	0.006		0.004A		---	31
TOTAL	---	---	0.136	31.956	6.686	1.876	3.535	0.147	0.097	0.103	---	---	TOTAL
MEAN	---	---	0.004	1.07	0.216	0.063	0.114	0.005	0.003	0.003	---	---	MEAN
MAX	---	---	0.040	2.27	0.556	0.201	0.340	0.011	0.006	0.011	---	---	MAX
MIN	---	---	0	0.059	0.072	0.015	0.013	0.003	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.182
MAXIMUM DAILY, 2.27B ON APR 06
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.68B AT 08:11 CST ON APR 06

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 22 N
LONG 102 37 30 W
DRAINAGE AREA, 229 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	305
FEB	---	AUG	12.7
MAR	11.8	SEP	8.38
APR	2 760	OCT	8.90
MAY	578	NOV	---
JUN	162	DEC	---

TOTAL DISCHARGE, 3 850 dam³

LITTLE BEAR LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KF002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	620.175	620.136	620.038	619.979	---	---	1
2	---	---	---	---	---	---	620.172	620.135	620.037	619.975	---	---	2
3	---	---	---	---	---	---	620.197	620.133	620.037	619.973	---	---	3
4	---	---	---	---	---	---	620.188	620.132	620.036	619.971	---	---	4
5	---	---	---	---	---	---	620.188	620.130	620.037	619.970	---	---	5
6	---	---	---	---	---	620.243	620.187	620.125	620.035	619.969	---	---	6
7	---	---	---	---	---	620.232	620.188	620.117	620.032	619.967	---	---	7
8	---	---	---	---	---	620.228	620.188	620.110	620.028	619.965	---	---	8
9	---	---	---	---	---	620.229	620.189	620.101	620.025	619.965	---	---	9
10	---	---	---	---	---	620.230	620.191	620.098	620.021	619.965	---	---	10
11	---	---	---	---	---	620.231	620.189	620.095	620.017	619.967	---	---	11
12	---	---	---	---	---	620.222	620.186	620.093	620.014	619.969	---	---	12
13	---	---	---	---	---	620.218	620.185	620.094	620.012	619.969	---	---	13
14	---	---	---	---	---	620.214	620.184	620.085	620.010	619.971	---	---	14
15	---	---	---	---	---	620.208	620.178	620.087	620.009	619.973	---	---	15
16	---	---	---	---	---	620.207	620.174	620.086	620.008	619.973	---	---	16
17	---	---	---	---	---	620.205	620.171	620.084	620.006	619.975	---	---	17
18	---	---	---	---	---	620.204	620.170	620.077	620.004	619.975	---	---	18
19	---	---	---	---	---	620.199	620.164	620.073	620.000	619.977	---	---	19
20	---	---	---	---	---	620.193	620.157	620.067	619.998	---	---	---	20
21	---	---	---	---	---	620.191	620.151	620.062	619.997	---	---	---	21
22	---	---	---	---	---	620.189	620.147	620.058	619.996	---	---	---	22
23	---	---	---	---	---	620.187	620.145	620.056	619.999	---	---	---	23
24	---	---	---	---	---	620.184	620.142	620.051	619.997	---	---	---	24
25	---	---	---	---	---	620.185	620.139	620.048	619.996	619.981	---	---	25
26	---	---	---	---	---	620.184	620.136	620.043	619.991	---	---	---	26
27	---	---	---	---	---	620.183	620.144	620.041	619.988	---	---	---	27
28	---	---	---	---	---	620.181	620.145	620.040	619.986	---	---	---	28
29	---	---	---	---	---	620.180	620.146	620.037	619.984	---	---	---	29
30	---		---	---	---	620.179	620.145	620.036	619.983	---	---	---	30
31	---		---		---		620.141E	620.038		---		---	31
MEAN	---	---	---	---	---	---	620.168	620.083	620.011	---	---	---	MEAN
MAX	---	---	---	---	---	---	620.197	620.136	620.038	---	---	---	MAX
MIN	---	---	---	---	---	---	620.136	620.036	619.983	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 17 39 N
LONG 104 40 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
140 km²

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.100B	0.011	0	0	0	0	0	---	---	1
2	---	---	0B	4.61 B	0.008	0	0	0	0	0	---	---	2
3	---	---	0B	3.07	0.018	0	0	0	0	0	---	---	3
4	---	---	0B	1.88 A	0.023	0	0	0	0	0	---	---	4
5	---	---	0B	1.02 A	0.024	0	0.017	0	0	0	---	---	5
6	---	---	0B	0.674A	0.031	0	0.010	0	0	0	---	---	6
7	---	---	0B	0.387	0.025	0	0.004	0	0	0	---	---	7
8	---	---	0B	0.211A	0.082	0	0.008	0	0	0	---	---	8
9	---	---	0B	0.144	0.081	0	0.009	0	0	0	---	---	9
10	---	---	0B	0.122A	0.042	0	0.011	0	0	0	---	---	10
11	---	---	0B	0.094A	0.020	0	0.006	0	0	0	---	---	11
12	---	---	0B	0.007	0.009	0	0.001	0	0	0	---	---	12
13	---	---	0B	0.005	0.010	0	0	0	0	0	---	---	13
14	---	---	0B	0.005	0.015	0	0	0	0	0	---	---	14
15	---	---	0B	0.001	0.014	0	0	0	0	0	---	---	15
16	---	---	0B	0.004	0.015	0	0	0	0	0	---	---	16
17	---	---	0B	0.003	0.006	0	0	0	0	0	---	---	17
18	---	---	0B	0.005	0.012	0	0	0	0	0	---	---	18
19	---	---	0B	0.005	0.020	0	0	0	0	0	---	---	19
20	---	---	0B	0.005	0.021	0	0	0	0	0	---	---	20
21	---	---	0B	0.006	0.022	0	0	0	0	0	---	---	21
22	---	---	0B	0.006	0.008	0	0	0	0	0	---	---	22
23	---	---	0B	0.005	0.006	0	0	0	0	0	---	---	23
24	---	---	0B	0.003	0.007	0	0	0	0	0	---	---	24
25	---	---	0B	0.006	0.007	0	0	0	0	0	---	---	25
26	---	---	0B	0.008	0.006	0	0	0	0	0	---	---	26
27	---	---	0B	0.005	0.004	0	0	0	0	0	---	---	27
28	---	---	0B	0.006	0.002	0	0	0	0	0	---	---	28
29	---	---	0B	0.011	0.001	0	0	0	0	0	---	---	29
30	---		0B	0.010	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	10.418	0.550	0	0.066	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.347	0.018	0	0.002	0	0	0	---	---	MEAN
MAX	---	---	0	3.07	0.082	0	0.017	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.045
MAXIMUM DAILY, 3.07 ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
5.44 AT 21:58 CST ON APR 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 28 N
LONG 104 10 17 W
DRAINAGE AREA, 87 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.70
FEB	---	AUG	0
MAR	0	SEP	0
APR	900	OCT	0
MAY	47.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 953 dam³

LITTLE QUILL LAKE NEAR WYNYARD - STATION NO. 05MA002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	517.613	---	517.487	517.380	517.315	---	---	1
2	---	---	---	---	---	517.657	---	517.485	517.380	517.286	---	---	2
3	---	---	---	---	---	517.593	---	517.493	517.377	517.235	---	---	3
4	---	---	---	---	---	517.596	517.599	517.479	517.356	517.278	---	---	4
5	---	---	---	---	---	517.600	---	517.479	517.354	517.311	---	---	5
6	---	---	---	---	---	517.587	---	517.472	517.367	517.274	---	---	6
7	---	---	---	---	---	517.665	---	517.465	517.338	517.288	---	---	7
8	---	---	---	---	---	---	517.551	517.476	517.366	517.300	---	---	8
9	---	---	---	---	---	---	---	517.469	517.348	517.288	---	---	9
10	---	---	---	---	---	---	517.545	517.458	517.338	517.240	---	---	10
11	---	---	---	---	---	517.675	---	517.460	517.352	517.262	---	---	11
12	---	---	---	---	---	---	---	517.443	517.386	517.282	---	---	12
13	---	---	---	---	---	---	---	517.449	517.343	517.287	---	---	13
14	---	---	---	---	---	---	517.543	517.435	517.320	517.285	---	---	14
15	---	---	---	---	---	---	---	517.464	517.342	517.289	---	---	15
16	---	---	---	---	---	---	---	517.472	517.335	517.312	---	---	16
17	---	---	---	---	---	517.609	---	517.440	517.304	517.300	---	---	17
18	---	---	---	---	---	---	---	517.435	517.304	517.319	---	---	18
19	---	---	---	---	---	---	517.539	517.424	517.332	517.296	---	---	19
20	---	---	---	---	---	---	---	517.418	517.337	517.274	---	---	20
21	---	---	---	---	---	517.605	---	517.415	517.328	517.292	---	---	21
22	---	---	---	---	---	---	517.535	517.408	517.312	517.269	---	---	22
23	---	---	---	---	---	---	---	517.400	517.299	517.279	---	---	23
24	---	---	---	---	---	---	517.511	517.419	517.301	517.291	---	---	24
25	---	---	---	---	---	517.555	517.550	517.427	517.308	517.299	---	---	25
26	---	---	---	---	---	---	517.537	517.427	517.305	---	---	---	26
27	---	---	---	---	---	---	517.504	517.409	517.316	---	---	---	27
28	---	---	---	---	---	517.595	517.516	517.395	517.319	---	---	---	28
29	---		---	---	517.628	---	517.518	517.401	517.295	---	---	---	29
30	---		---	---	517.608	---	517.503	517.386	517.287	---	---	---	30
31	---		---		517.599		517.501	517.321		---		---	31
MEAN	---	---	---	---	---	---	---	517.439	517.334	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	517.493	517.386	---	---	---	MAX
MIN	---	---	---	---	---	---	---	517.321	517.287	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 52 54 N
LONG 104 08 14 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
4 490 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB083

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.566B	0.555	0.106	1.13	0.026	0	0	0	---	---	1
2	---	---	1.18 B	0.489	0.141	0.869	0.022	0	0	0	---	---	2
3	---	---	5.59 B	0.547	0.129	0.677	0.033	0	0	0	---	---	3
4	---	---	9.43 B	0.925	0.434	0.589	0.026	0	0	0	---	---	4
5	---	---	10.9 B	0.942	0.716	0.452	0.019	0	0	0	---	---	5
6	---	---	10.1 B	0.910	0.772	0.399	0.023	0	0	0	---	---	6
7	---	---	10.7 B	0.824	0.340	0.449	0.019	0	0	0	---	---	7
8	---	---	9.65 B	0.683	0.180	0.732	0.014	0	0	0	---	---	8
9	---	---	5.64 B	0.480	0.132	0.727	0.011	0	0	0	---	---	9
10	---	---	10.6 B	0.423	0.125	0.709	0.008	0	0	0	---	---	10
11	---	---	9.79 B	0.581	0.132	0.680	0.006	0	0	0	---	---	11
12	---	---	11.7 B	0.952	0.129	0.629	0.004	0	0	0	---	---	12
13	---	---	7.65 B	0.670	0.117	0.629	0.003	0	0	0	---	---	13
14	---	---	5.35 B	0.430	0.120	0.647	0.002	0	0	0	---	---	14
15	---	---	3.34 B	0.367	0.119	0.519	0.002	0	0	0	---	---	15
16	---	---	2.23	0.383	0.119	0.274	0.002	0	0	0	---	---	16
17	---	---	2.12	0.340	0.115	0.160	0.001	0	0	0	---	---	17
18	---	---	2.15	0.309	0.209	0.110	0.001	0	0	0	---	---	18
19	---	---	4.85	0.285	0.209	0.080	0	0	0	0	---	---	19
20	---	---	3.31	0.262	0.118	0.063	0	0	0	0	---	---	20
21	---	---	1.40	0.239	0.107	0.053	0	0	0	0	---	---	21
22	---	---	0.959	0.224	0.096	0.048	0	0	0	0	---	---	22
23	---	---	0.791	0.199	0.094	0.048	0	0	0	0	---	---	23
24	---	---	2.22	0.174	0.087	0.048	0	0	0	0	---	---	24
25	---	---	1.87	0.154	0.106	0.046	0	0	0	0	---	---	25
26	---	---	0.979	0.133	0.123	0.042	0	0	0	0	---	---	26
27	---	0.058B	0.758	0.126	3.44	0.037	0	0	0	0	---	---	27
28	---	0.240B	0.695	0.116	7.01	0.031	0	0	0	0	---	---	28
29	---		0.639	0.113	3.64	0.030	0	0	0	0	---	---	29
30	---		0.580	0.111	2.34	0.027	0	0	0	0	---	---	30
31	---		0.579		1.58		0	0		0		---	31
TOTAL	---	---	138.316	12.946	23.085	10.934	0.222	0	0	0	---	---	TOTAL
MEAN	---	---	4.46	0.432	0.745	0.365	0.007	0	0	0	---	---	MEAN
MAX	---	---	11.7	0.952	7.01	1.13	0.033	0	0	0	---	---	MAX
MIN	---	---	0.566	0.111	0.087	0.027	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.757
MAXIMUM DAILY, 11.7B ON MAR 12
MINIMUM DAILY, 0 ON JUL 19
MAXIMUM INSTANTANEOUS[1]
15.0B AT 22:15 CST ON MAR 07

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 19 N
LONG 109 43 02 W
DRAINAGE AREA, 2 140 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19.2
FEB	---	AUG	0
MAR	12 000	SEP	0
APR	1 120	OCT	0
MAY	1 990	NOV	---
JUN	945	DEC	---

TOTAL DISCHARGE, 16 100 dam³

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB082

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.15	0.107	0.419	0.011	0	0	0	---	---	1
2	---	---	0.314B	1.56	0.110	0.304	0.009	0	0	0	---	---	2
3	---	---	0.945B	1.25	0.115	0.257	0.012	0	0	0	---	---	3
4	---	---	3.11 B	1.29	0.111	0.217	0.009	0	0	0	---	---	4
5	---	---	5.68 B	1.05	0.190	0.177	0.009	0	0	0	---	---	5
6	---	---	10.0 B	0.573	0.192	0.155	0.012	0	0	0	---	---	6
7	---	---	14.3 B	0.275	0.188	0.150	0.011	0	0	0	---	---	7
8	---	---	15.2 B	0.202	0.171	0.143	0.009	0	0	0	---	---	8
9	---	---	10.9 B	0.164	0.141	0.126	0.007	0	0	0	---	---	9
10	---	---	9.01 B	0.144	0.122	0.117	0.007	0	0	0	---	---	10
11	---	---	10.1 B	0.131	0.109	0.104	0.006	0	0	0	---	---	11
12	---	---	5.92 B	0.121	0.101	0.095	0.005	0	0	0	---	---	12
13	---	---	2.58 B	0.108	0.098	0.084	0.004	0	0	0	---	---	13
14	---	---	0.884B	0.099	0.099	0.079	0.004	0	0	0	---	---	14
15	---	---	0.737B	0.095	0.093	0.085	0.003	0	0	0	---	---	15
16	---	---	0.389B	0.088	0.089	0.356	0.003	0	0	0	---	---	16
17	---	---	1.49 B	0.086	0.090	0.252	0.002	0	0	0	---	---	17
18	---	---	4.25 B	0.085	0.087	0.148	0	0	0	0	---	---	18
19	---	---	3.53 B	0.086	0.088	0.108	0	0	0	0	---	---	19
20	---	---	3.88 B	0.088	0.093	0.090	0	0	0	0	---	---	20
21	---	---	5.03 B	0.094	0.101	0.075	0	0	0	0	---	---	21
22	---	---	4.43 B	0.097	0.087	0.063	0	0	0	0	---	---	22
23	---	OB	3.31	0.115	0.080	0.051	0	0	0	0	---	---	23
24	---	OB	1.56	0.090	0.083	0.042	0	0	0	0	---	---	24
25	---	OB	0.895	0.093	10.5	0.035	0	0	0	0	---	---	25
26	---	OB	0.676	0.125	23.2	0.029	0	0	0	0	---	---	26
27	---	OB	0.643	0.136	7.42	0.022	0.002	0	0	0	---	---	27
28	---	OB	0.561	0.133	2.67	0.018	0.002	0	0	0	---	---	28
29	---		0.969	0.129	1.44	0.015	0.002	0	0	0	---	---	29
30	---		1.39	0.118	1.06	0.015	0.001	0	0	0	---	---	30
31	---		1.74		0.683		0	0		0		---	31
TOTAL	---	---	124.443	10.775	49.718	3.831	0.130	0	0	0	---	---	TOTAL
MEAN	---	---	4.01	0.359	1.60	0.128	0.004	0	0	0	---	---	MEAN
MAX	---	---	15.2	2.15	23.2	0.419	0.012	0	0	0	---	---	MAX
MIN	---	---	0	0.085	0.080	0.015	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.771
MAXIMUM DAILY, 23.2 ON MAY 26
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS
31.7 AT 07:41 CST ON MAY 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 10 N
LONG 109 59 05 W
DRAINAGE AREA, 908 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11.2
FEB	---	AUG	0
MAR	10 800	SEP	0
APR	931	OCT	0
MAY	4 300	NOV	---
JUN	331	DEC	---

TOTAL DISCHARGE, 16 400 dam³

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.500B	0.002	0	0	0	0	0	---	---	1
2	---	---	0 B	3.67 B	0.003	0	0	0	0	0	---	---	2
3	---	---	0 B	3.95	0.009	0	0	0	0	0	---	---	3
4	---	---	0 B	3.84	0.098	0	0.011	0	0	0	---	---	4
5	---	---	0 B	2.50	0.334	0	0.009	0	0	0	---	---	5
6	---	---	0 B	1.44	0.208	0	0.004	0	0	0	---	---	6
7	---	---	0 B	1.56	0.122	0	0	0	0	0	---	---	7
8	---	---	0 B	1.35	0.069	0	0	0	0	0	---	---	8
9	---	---	0 B	1.07	0.084	0	0	0	0	0	---	---	9
10	---	---	0 B	0.847	0.192	0	0	0	0	0	---	---	10
11	---	---	0 B	0.693	0.414	0	0	0	0	0	---	---	11
12	---	---	0 B	0.464	0.177	0.001	0	0	0	0	---	---	12
13	---	---	0 B	0.409	0.129	0	0	0	0	0	---	---	13
14	---	---	0 B	0.355	0.041	0	0	0	0	0	---	---	14
15	---	---	0 B	0.315	0.014	0	0	0	0	0	---	---	15
16	---	---	0 B	0.269	0.009	0	0	0	0	0	---	---	16
17	---	---	0 B	0.216	0.256	0	0	0	0	0	---	---	17
18	---	---	0 B	0.237	0.100	0	0	0	0	0	---	---	18
19	---	---	0 B	0.250	0.022	0	0	0	0	0	---	---	19
20	---	---	0 B	0.206	0.012	0	0	0	0	0	---	---	20
21	---	---	0 B	0.166	0.012	0	0	0	0	0	---	---	21
22	---	---	0 B	0.118	0.044	0	0	0	0	0	---	---	22
23	---	---	0 B	0.059	0.014	0	0	0	0	0	---	---	23
24	---	---	0 B	0.034	0.009	0	0	0	0	0	---	---	24
25	---	---	0 B	0.030	0.001	0	0	0	0	0	---	---	25
26	---	---	0 B	0.034	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.046	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.016	0	0	0	0	0	0	---	---	28
29	---	---	0 B	0.018	0	0	0	0	0	0	---	---	29
30	---		0.010B	0.006	0	0	0	0	0	0	---	---	30
31	---		0.100B		0		0	0		0		---	31
TOTAL	---	---	0.110	24.668	2.375	0.001	0.024	0	0	0	---	---	TOTAL
MEAN	---	---	0.004	0.822	0.077	0	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.100	3.95	0.414	0.001	0.011	0	0	0	---	---	MAX
MIN	---	---	0	0.006	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.111
MAXIMUM DAILY, 3.95 ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.44 AT 21:58 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 47 51 N
LONG 102 22 14 W
DRAINAGE AREA, 181 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2.07
FEB	---	AUG	0
MAR	9.50	SEP	0
APR	2 130	OCT	0
MAY	205	NOV	---
JUN	0.086	DEC	---

TOTAL DISCHARGE, 2 350 dam³

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0B	0 B	0	0	0	0.017	0	0	0	0	1
2	0B	0B	0B	0 B	0	0	0	0.020	0	0	0	0	2
3	0B	0B	0B	0 B	0	0	10.5	0.016	0	0	0	0	3
4	0B	0B	0B	0 B	0	0	12.9	0.010	0	0	0	0	4
5	0B	0B	0B	0	0	0	5.67	0.007	0	0	0	0	5
6	0B	0B	0B	0	0	0	5.98	0.005	0	0	0	0	6
7	0B	0B	0B	0	0	0	3.47	0.003	0	0	0	0	7
8	0B	0B	0B	0	0	0	1.81	0.002	0	0	0	0	8
9	0B	0B	0B	0	0	0	1.19	0.001	0	0	0	0	9
10	0B	0B	0B	0	0	0	0.883	0.001	0	0	0	0	10
11	0B	0B	0B	0	0	0	0.603	0.001	0	0	0	0	11
12	0B	0B	0B	0	0	0	0.409	0.001	0	0	0	0	12
13	0B	0B	0B	0	0	0	0.257	0	0	0	0	0	13
14	0B	0B	0B	0.003	0	0	0.177	0	0	0	0	0	14
15	0B	0B	0B	0.023	0	0	0.108	0	0	0	0	0	15
16	0B	0B	0B	0.022	0	0	0.074	0	0	0	0	0	16
17	0B	0B	0B	0.011	0	0	0.052	0	0	0	0	0	17
18	0B	0B	0B	0.007	0	0	0.037	0	0	0	0	0	18
19	0B	0B	0B	0.005	0	0	0.059	0	0	0	0	0	19
20	0B	0B	0B	0.003	0	0	0.080	0	0	0	0	0	20
21	0B	0B	0B	0.003	0	0	0.046	0	0	0	0	0	21
22	0B	0B	0B	0.002	0	0	0.029	0	0	0	0	0	22
23	0B	0B	0B	0.002	0	0	0.024	0	0	0	0	0	23
24	0B	0B	0B	0.001	0	0	0.016	0	0	0	0	0	24
25	0B	0B	0B	0.002	0	0	0.005	0	0	0	0	0	25
26	0B	0B	0B	0.002	0	0	0.001	0	0	0	0	0	26
27	0B	0B	0B	0.001	0	0	0.001	0	0	0	0	0	27
28	0B	0B	0B	0.001	0	0	0.001	0	0	0	0	0	28
29	0B		0B	0.001	0	0	0.001	0	0	0	0	0	29
30	0B		0B	0.001	0	0	0.001	0	0	0	0	0	30
31	0B		0B		0		0.001	0		0		0	31
TOTAL	0	0	0	0.090	0	0	44.385	0.084	0	0	0	0	TOTAL
MEAN	0	0	0	0.003	0	0	1.43	0.003	0	0	0	0	MEAN
MAX	0	0	0	0.023	0	0	12.9	0.020	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 12.9 ON JUL 04
MINIMUM DAILY, 0B ON JAN 01
MAXIMUM INSTANTANEOUS,
23.6 AT 21:30 CST ON JUL 03

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 01 N
LONG 103 21 08 W
DRAINAGE AREA, 3 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	3 830
FEB	0	AUG	7.26
MAR	0	SEP	0
APR	7.78	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 3 850 dam³

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.012B	0.011B	0.008B	0.019	0.005	0.007	0.007	0.010	0.002	0.003	0.004	0.002B	1
2	0.012B	0.011B	0.008B	0.017	0.003	0.037	0.129	0.006	0.002	0.017	0.003	0.002B	2
3	0.012B	0.011B	0.009B	0.016	0.003	0.020	0.086	0.004	0.001	0.007	0.002	0.002B	3
4	0.012B	0.011B	0.009B	0.016	0.004	0.013	0.016	0.003	0.001	0.003	0.002	0.002B	4
5	0.013B	0.011B	0.011B	0.016	0.004	0.012	0.025	0.004	0.001	0.004	0.002	0.002B	5
6	0.012B	0.011B	0.014B	0.019	0.004	0.010	0.039	0.006	0.001	0.004	0.002	0.002B	6
7	0.012B	0.011B	0.014B	0.018	0.003E	0.009	0.025	0.006	0.001	0.003	0.002	0.002B	7
8	0.012B	0.011B	0.014B	0.025	0.003E	0.011	0.041	0.005	0.001	0.003	0.002	0.002B	8
9	0.012B	0.011B	0.013B	0.025	0.003E	0.011	0.036	0.005	0.002	0.002	0.002	0.002B	9
10	0.014B	0.011B	0.012B	0.017	0.004E	0.010	0.031	0.004	0.002	0.002	0.002	0.003B	10
11	0.013B	0.011B	0.023B	0.017	0.006A	0.009	0.028	0.005	0.002	0.002	0.002	0.003B	11
12	0.012B	0.012B	0.035B	0.017	0.008A	0.010	0.025	0.005	0.002	0.001	0.002	0.003B	12
13	0.012B	0.011B	0.032B	0.019	0.012A	0.009	0.026	0.005	0.002	0.001	0.002	0.002B	13
14	0.013B	0.011B	0.025B	0.019	0.010	0.010	0.019	0.005	0.001	0.001	0.002	0.002B	14
15	0.013B	0.012B	0.024B	0.019	0.011	0.012	0.017	0.005	0.001	0.001	0.002	0.002B	15
16	0.013B	0.012B	0.024B	0.018	0.011	0.012	0.016	0.006	0.001	0.001	0.002	0.002B	16
17	0.013B	0.012B	0.025B	0.017	0.010	0.013	0.016	0.008	0.001	0.001	0.002	0.002B	17
18	0.013B	0.012B	0.023B	0.025	0.006	0.009	0.017	0.027	0.008	0.007	0.002	0.002B	18
19	0.013B	0.011B	0.025B	0.019	0.006	0.009	0.017	0.014	0.001	0.004	0.002	0.002B	19
20	0.013B	0.010B	0.028B	0.021	0.006	0.008	0.015	0.009	0.004	0.001	0.002	0.002B	20
21	0.012B	0.007B	0.024B	0.021	0.005	0.009	0.013	0.006	0.004	0.001	0.002	0.002B	21
22	0.013B	0.007B	0.022B	0.018	0.005	0.008	0.012	0.007	0.004	0.002	0.002B	0.002B	22
23	0.013B	0.007B	0.020B	0.019	0.005	0.008	0.012	0.002	0.004	0.002	0.002B	0.002B	23
24	0.020B	0.006B	0.019B	0.019	0.005	0.007	0.011	0.001	0.004	0.002	0.002B	0.003B	24
25	0.041B	0.005B	0.020B	0.019	0.004	0.006	0.010	0.002	0.004	0.002	0.002B	0.003B	25
26	0.042B	0.006B	0.020B	0.012	0.009	0.010	0.019	0.002	0.004	0.002	0.002B	0.004B	26
27	0.043B	0.006B	0.020	0.006	0.009	0.014	0.023	0.004	0.004	0.002	0.002B	0.005B	27
28	0.044B	0.008B	0.019	0.006	0.009	0.004	0.006	0.005	0.004	0.002	0.002B	0.005B	28
29	0.044B		0.018	0.005	0.010	0.014	0.006	0.003	0.004	0.003	0.002B	0.006B	29
30	0.035B		0.019	0.005	0.009	0.011	0.005	0.002	0.003	0.003	0.002B	0.006B	30
31	0.013B		0.019		0.007		0.005	0.002		0.003		0.007B	31
TOTAL	0.571	0.276	0.596	0.509	0.199	0.332	0.753	0.178	0.076	0.092	0.063	0.088	TOTAL
MEAN	0.018	0.010	0.019	0.017	0.006	0.011	0.024	0.006	0.003	0.003	0.002	0.003	MEAN
MAX	0.044	0.012	0.035	0.025	0.012	0.037	0.129	0.027	0.008	0.017	0.004	0.007	MAX
MIN	0.012	0.005	0.008	0.005	0.003	0.004	0.005	0.001	0.001	0.001	0.002	0.002	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.129 ON JUL 02
MINIMUM DAILY, 0.001 ON AUG 24
MAXIMUM INSTANTANEOUS,
0.541 AT 02:27 CST ON JUL 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 15 N
LONG 103 00 48 W
DRAINAGE AREA, 4 840 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	49.3	JUL	65.1
FEB	23.8	AUG	15.4
MAR	51.5	SEP	6.57
APR	44.0	OCT	7.95
MAY	17.2	NOV	5.44
JUN	28.7	DEC	7.60

TOTAL DISCHARGE, 323 dam³

LONG CREEK NEAR MAXIM - STATION NO. 05NA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.103	0	0	0	0.109	0.062	0	---	---	1
2	---	---	0 B	0.049	0	0	0.002A	0.164	0.045	0	---	---	2
3	---	---	0 B	0.024	0	0	0 A	0.396	0.042	0	---	---	3
4	---	---	0 B	0.014	0	0	0	0.798	0.039	0	---	---	4
5	---	---	0 B	0.013	0	0	0	0.906	0.036	0	---	---	5
6	---	---	0 B	0.006	0	0	0	0.890	0.028	0	---	---	6
7	---	---	0 B	0.002	0	0	0	0.811	0.026	0	---	---	7
8	---	---	0 B	0.001	0	0	0	0.756	0.022	0	---	---	8
9	---	---	0 B	0.001	0	0	0	0.704	0.021	0	---	---	9
10	---	---	0 B	0.001	0	0	0	0.649	0.021	0	---	---	10
11	---	---	0 B	0	0	0	0	0.625	0.020	0	---	---	11
12	---	---	0 B	0	0	0	0	0.578	0.015	0	---	---	12
13	---	---	0 B	0	0	0	0	0.521	0.001	0	---	---	13
14	---	---	0 B	0	0	0	0	0.481	0.001	0	---	---	14
15	---	---	0 B	0	0	0	0	0.415	0.001	0	---	---	15
16	---	---	0 B	0	0	0	0	0.359	0.001	0	---	---	16
17	---	---	0 B	0	0	0	0	0.497	0.001	0	---	---	17
18	---	---	0 B	0	0	0	0	0.497	0.001	0	---	---	18
19	---	---	0 B	0	0	0	0	0.347	0.001	0	---	---	19
20	---	---	0 B	0	0	0	0	0.193	0.001	0	---	---	20
21	---	---	0 B	0	0	0	0	0.168	0.001	0	---	---	21
22	---	---	0 B	0	0	0	0	0.177	0.001	0	---	---	22
23	---	---	0 B	0	0	0	0	0.165	0.001	0	---	---	23
24	---	---	0 B	0	0	0	0	0.153	0.001	0	---	---	24
25	---	---	0 B	0	0	0	0	0.164	0.001	0	---	---	25
26	---	---	0 B	0	0	0	0.020A	0.179	0.001	0	---	---	26
27	---	---	0 B	0	0	0	0.076	0.287	0.001	0	---	---	27
28	---	---	0 B	0	0	0	0.074	0.235	0.001	0	---	---	28
29	---	---	0 B	0	0	0	0.066	0.146	0.001	0	---	---	29
30	---		0.075B	0	0	0	0.076	0.084	0.001	0	---	---	30
31	---		0.241		0		0.104	0.067		0	---	---	31
TOTAL	---	---	0.316	0.214	0	0	0.418	12.521	0.395	0	---	---	TOTAL
MEAN	---	---	0.010	0.007	0	0	0.014	0.404	0.013	0	---	---	MEAN
MAX	---	---	0.241	0.103	0	0	0.104	0.906	0.062	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0.067	0.001	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.057
MAXIMUM DAILY, 0.906 ON AUG 05
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.920 AT 18:55 CST ON AUG 05

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 32 N
LONG 103 57 22 W
DRAINAGE AREA, 1 790 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	36.1
FEB	---	AUG	1 080
MAR	27.3	SEP	34.1
APR	18.5	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 200 dam³

LONG CREEK NEAR NOONAN - STATION NO. 05NB027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0.003	0	0	0	0	0	0	2
3	0	0	0	0	0	0.004	0.013	0	0	0	0	0	3
4	0	0	0	0	0	0.003	14.3	0	0	0	0	0	4
5	0	0	0	0	0	0.002	11.7	0.001	0	0	0	0	5
6	0	0	0	0	0	0.001	7.25	0.001	0	0	0	0	6
7	0	0	0	0	0	0.002	6.31	0.001	0	0	0	0	7
8	0	0	0	0	0	0.002	4.13	0	0	0	0	0	8
9	0	0	0	0	0	0.002	2.49	0	0	0	0	0	9
10	0	0	0	0	0	0.002	1.59	0	0	0	0	0	10
11	0	0	0	0	0	0.002	1.25	0	0	0	0	0	11
12	0	0	0	0	0	0.002	0.878	0	0	0	0	0	12
13	0	0	0	0	0	0.001	0.680	0	0	0	0	0	13
14	0	0	0	0	0	0.001	0.510	0	0	0	0	0	14
15	0	0	0	0	0	0.001	0.368	0	0	0	0	0	15
16	0	0	0	0	0	0.001	0.249	0	0	0	0	0	16
17	0	0	0	0	0	0.002	0.161	0	0	0	0	0	17
18	0	0	0	0	0	0.002	0.119	0	0	0	0	0	18
19	0	0	0	0	0	0.001	0.088	0.001	0	0	0	0	19
20	0	0	0	0	0	0.001	0.054	0.002	0	0	0	0	20
21	0	0	0	0	0	0.001	0.028	0.001	0	0	0	0	21
22	0	0	0	0	0	0	0.012	0.001	0	0	0	0	22
23	0	0	0	0	0	0	0.011	0	0	0	0	0	23
24	0	0	0	0	0	0	0.008	0	0	0	0	0	24
25	0	0	0	0	0	0	0.004	0	0	0	0	0	25
26	0	0	0	0	0	0	0.006	0	0	0	0	0	26
27	0	0	0	0	0	0	0.009	0	0	0	0	0	27
28	0	0	0	0	0	0	0.004	0	0	0	0	0	28
29	0		0	0	0	0	0.002	0	0	0	0	0	29
30	0		0	0	0	0	0.001	0	0	0	0	0	30
31	0		0		0		0	0		0		0	31
TOTAL	0	0	0	0	0	0.036	52.225	0.008	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0.001	1.68	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0.004	14.3	0.002	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.143
MAXIMUM DAILY, 14.3 ON JUL 04
MINIMUM DAILY, 0 ON JAN 01
MAXIMUM INSTANTANEOUS,
22.2 AT 14:45 CST ON JUL 04

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 52 N
LONG 103 04 34 W
DRAINAGE AREA, 4 460 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	4 510
FEB	0	AUG	0.691
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	3.11	DEC	0

TOTAL DISCHARGE, 4 510 dam³

LOWER FISHING LAKE ON THE HANSON LAKE ROAD - STATION NO. 05KE009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	490.273	---	---	---	---	1
2	---	---	---	---	---	---	---	490.273	---	---	---	---	2
3	---	---	---	---	---	---	---	490.270	---	---	---	---	3
4	---	---	---	---	---	---	490.328	490.272	---	---	---	---	4
5	---	---	---	---	---	---	490.338	490.253	---	---	---	---	5
6	---	---	---	---	---	---	490.352	490.254	---	---	---	---	6
7	---	---	---	---	---	490.268	490.376	490.254	---	---	---	---	7
8	---	---	---	---	---	---	490.369	490.254	---	---	---	---	8
9	---	---	---	---	---	---	490.370	490.247	---	---	---	---	9
10	---	---	---	---	---	---	490.373	490.239	---	---	---	---	10
11	---	---	---	---	---	---	490.373	490.233	---	---	---	---	11
12	---	---	---	---	---	---	490.373	490.228	---	---	---	---	12
13	---	---	---	---	---	---	490.373	490.229	---	---	---	---	13
14	---	---	---	---	---	---	490.373	490.241	---	---	---	---	14
15	---	---	---	---	---	---	490.373	490.230	---	---	---	---	15
16	---	---	---	---	---	---	490.362	490.230	---	---	---	---	16
17	---	---	---	---	---	---	490.355	490.231	---	---	---	---	17
18	---	---	---	---	---	---	490.353	490.229	---	---	---	---	18
19	---	---	---	---	---	---	490.344	490.230	---	---	---	---	19
20	---	---	---	---	---	---	490.313	490.204	---	---	---	---	20
21	---	---	---	---	---	---	490.304	490.184	---	---	---	---	21
22	---	---	---	---	---	---	490.275	490.160	---	---	---	---	22
23	---	---	---	---	---	---	490.275	490.176	---	---	---	---	23
24	---	---	---	---	---	---	490.272	490.172	---	---	---	---	24
25	---	---	---	---	---	---	490.270	490.171	---	490.248	---	---	25
26	---	---	---	---	---	---	490.265	490.163	---	---	---	---	26
27	---	---	---	---	---	---	490.275	490.155	---	---	---	---	27
28	---	---	---	---	---	---	490.275	490.154	---	---	---	---	28
29	---		---	---	---	---	490.275	490.154	---	---	---	---	29
30	---		---	---	---	---	490.290	490.162	---	---	---	---	30
31	---		---		---		490.273	490.186		---		---	31
MEAN	---	---	---	---	---	---	---	490.217	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	490.273	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	490.154	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 02 11 N
LONG 104 36 51 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
358 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LUMSDEN INDEX RESERVOIR - STATION NO. 05JF013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	27.753A	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	27.864A	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	27.055A	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	27.546A	27.961A	---	---	27.587A	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---	---	---	---	---	---	---	27.243A	---	---	---	---	30
31	---	---	27.952E	27.874E	27.755E	27.570E	27.458A	27.230E	27.021E	27.931A	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 27.961A ON MAR 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 32 31 N
LONG 104 50 37 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
1.19 km²

REMARKS - THE RESERVOIR WAS FILLED BY PUMPING FROM WASCANA CREEK IN OCTOBER

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.352B	0.004	0	0	0	0	0	0	---	---	1
2	---	---	0.904B	0.002	0	0	0	0	0	0	---	---	2
3	---	---	1.78 B	0	0	0	0	0	0	0	---	---	3
4	---	---	1.50 B	0	0	0	0	0	0	0	---	---	4
5	---	---	1.24 B	0	0	0	0	0	0	0	---	---	5
6	---	---	1.14	0	0	0	0	0	0	0	---	---	6
7	---	---	0.977	0	0	0	0	0	0	0	---	---	7
8	---	---	0.711	0	0	0	0	0	0	0	---	---	8
9	---	---	0.475	0	0	0	0	0	0	0	---	---	9
10	---	---	0.366	0	0	0	0	0	0	0	---	---	10
11	---	---	0.334	0	0	0	0	0	0	0	---	---	11
12	---	---	0.228	0	0	0	0	0	0	0	---	---	12
13	---	---	0.154	0	0	0	0	0	0	0	---	---	13
14	---	---	0.099	0	0	0	0	0	0	0	---	---	14
15	---	---	0.052	0	0	0	0	0	0	0	---	---	15
16	---	---	0.033	0	0	0	0	0	0	0	---	---	16
17	---	---	0.022	0	0	0	0	0	0	0	---	---	17
18	---	---	0.016	0	0	0	0	0	0	0	---	---	18
19	---	---	0.011	0	0	0	0	0	0	0	---	---	19
20	---	---	0.068	0	0	0	0	0	0	0	---	---	20
21	---	---	0.342	0	0	0	0	0	0	0	---	---	21
22	---	---	0.099	0	0	0	0	0	0	0	---	---	22
23	---	---	0.082	0	0	0	0	0	0	0	---	---	23
24	---	---	0.064	0	0	0	0	0	0	0	---	---	24
25	---	0 B	0.045	0	0	0	0	0	0	0	---	---	25
26	---	0.020B	0.031	0	0	0	0	0	0	0	---	---	26
27	---	0.072B	0.021	0	0	0	0	0	0	0	---	---	27
28	---	0.250B	0.018	0	0	0	0	0	0	0	---	---	28
29	---		0.014	0	0	0	0	0	0	0	---	---	29
30	---		0.011	0	0	0	0	0	0	0	---	---	30
31	---		0.009		0		0	0		0		---	31
TOTAL	---	---	11.198	0.006	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.361	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.78	0.004	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0.009	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.046
MAXIMUM DAILY, 1.78B ON MAR 03
MINIMUM DAILY, 0 ON APR 03
MAXIMUM INSTANTANEOUS
2.62B AT 22:50 CST ON MAR 02

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 17 N
LONG 109 13 48 W
DRAINAGE AREA, 174 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	968	SEP	0
APR	0.518	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 969 dam³

MACDONALD CREEK NEAR BOUNTY - STATION NO. 05HF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.206	0.006	0.002	0	0	0	0	---	---	1
2	---	---	0 B	0.239	0.005	0.002	0	0	0	0	---	---	2
3	---	---	0 B	0.237	0.005	0.002	0	0	0	0	---	---	3
4	---	---	0 B	0.227	0.006	0.002	0	0	0	0	---	---	4
5	---	---	0 B	0.201	0.007	0.002	0	0	0	0	---	---	5
6	---	---	0.152B	0.159	0.007	0.002	0	0	0	0	---	---	6
7	---	---	1.46 B	0.133	0.006	0.001	0	0	0	0	---	---	7
8	---	---	1.79 B	0.117	0.005	0	0	0	0	0	---	---	8
9	---	---	1.03 B	0.094	0.005	0	0	0	0	0	---	---	9
10	---	---	0.380B	0.076	0.005	0	0	0	0	0	---	---	10
11	---	---	0.384B	0.072	0.005	0	0	0	0	0	---	---	11
12	---	---	0.329B	0.070	0.005	0	0	0	0	0	---	---	12
13	---	---	0.363B	0.065	0.005	0	0	0	0	0	---	---	13
14	---	---	0.293B	0.062	0.004	0	0	0	0	0	---	---	14
15	---	---	0.222B	0.055	0.004	0	0	0	0	0	---	---	15
16	---	---	0.218B	0.052	0.004	0	0	0	0	0	---	---	16
17	---	---	0.213B	0.047	0.004	0	0	0	0	0	---	---	17
18	---	---	0.174B	0.039	0.004	0	0	0	0	0	---	---	18
19	---	---	0.163B	0.032	0.004	0	0	0	0	0	---	---	19
20	---	---	0.202B	0.027	0.004	0	0	0	0	0	---	---	20
21	---	---	0.209B	0.022	0.004	0	0	0	0	0	---	---	21
22	---	---	0.172B	0.018	0.004	0	0	0	0	0	---	---	22
23	---	---	0.191B	0.017	0.004	0	0	0	0	0	---	---	23
24	---	---	0.199B	0.014	0.004	0	0	0	0	0	---	---	24
25	---	---	0.183B	0.011	0.004	0	0	0	0	0	---	---	25
26	---	---	0.178	0.009	0.003	0	0	0	0	0	---	---	26
27	---	---	0.198	0.007	0.003	0	0	0	0	0	---	---	27
28	---	---	0.229	0.005	0.003	0	0	0	0	0	---	---	28
29	---	---	0.214	0.005	0.003	0	0	0	0	0	---	---	29
30	---		0.181	0.006	0.003	0	0	0	0	0	---	---	30
31	---		0.173		0.003		0	0		0		---	31
TOTAL	---	---	9.500	2.324	0.138	0.013	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.307	0.078	0.005	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.79	0.239	0.007	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0.005	0.003	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.049
MAXIMUM DAILY, 1.79B ON MAR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.83B AT 09:40 CST ON MAR 08

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 56 N
LONG 107 24 44 W
DRAINAGE AREA, 2 550 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	821	SEP	0
APR	201	OCT	0
MAY	11.9	NOV	---
JUN	1.12	DEC	---

TOTAL DISCHARGE, 1 040 dam³

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07MB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	52.8	44.1	45.0B	42.5	59.6	75.1	56.4	45.1	37.3	40.3	46.3	44.5	1
2	51.1	44.1	43.9	42.3	61.4	76.9	55.7	43.9	37.0	38.6	47.0	44.2	2
3	50.8	44.4	43.5	41.7	62.3	76.9	54.9	41.4	36.9	38.2	47.4	44.5	3
4	50.2	44.9	43.5	41.9	64.1	74.2	56.1	42.3	37.2	40.2	46.9	45.3	4
5	49.6	44.9	43.6	42.1	65.6	72.9	56.3	42.1	35.5	40.6	46.7	44.7	5
6	49.9	45.7	44.0	41.8	65.9	71.5	55.1	41.9	37.7	41.3	46.3	44.7	6
7	50.6	46.7	43.8	41.6	68.4	70.2	53.8	44.3	36.8	41.9	46.3	45.2	7
8	52.0	46.9	43.8	40.9	71.9	69.3	53.7	39.7	36.8	43.6	45.5	45.7	8
9	52.9	46.7	44.0	41.1	72.7	69.0	53.8	39.7	37.6	43.5	45.3	45.8	9
10	53.0	45.7	43.1	41.0	73.6	66.2	52.7	39.5	36.4	41.0	45.0	45.9	10
11	51.5	45.9	43.4	41.7	74.6	59.4	53.5	39.2	36.5	41.7	44.5	45.9	11
12	50.8	45.4	43.5	42.1	75.7	61.4	52.5	38.6	37.2	42.0	44.1	46.0	12
13	50.6	45.1	43.6	41.7	76.7	64.3	52.6	37.2	38.1	41.8	44.6	46.1	13
14	51.4	44.8	43.6	42.5	76.9	66.0	51.7	37.5	37.2	43.8	45.2	45.9	14
15	51.5	43.7	43.8	42.0	76.7	65.2	48.9	36.9	38.3	43.7	44.8	45.6	15
16	49.9	43.2	43.6B	42.2	77.4	64.3	48.3	36.5	38.5	44.0	44.8	44.5	16
17	49.3	43.3	43.5B	42.4	78.6	64.7	48.1	36.6	37.9	43.5	45.1	44.6	17
18	48.5	43.2	43.4	42.5	78.8	65.3	46.8	38.5	37.9	43.8	45.1	43.8	18
19	48.2	43.4	43.5B	42.5	79.2	65.5	47.3	36.4	37.6	44.1	45.1	43.6	19
20	48.1	44.3	43.2	43.2	77.4	63.8	48.0	37.7	38.5	45.2	44.5	42.2	20
21	48.9	44.3	42.7B	43.6	78.1	63.9	48.0	35.6	39.0	44.5	44.7	41.9	21
22	48.9	43.8	42.1B	44.3	77.9	64.1	47.8	35.9	40.4	44.7	45.8	42.5	22
23	49.4	43.8	40.9	45.2	78.5	63.9	46.5	38.8	39.7	45.3	45.3	42.9	23
24	49.4	43.5	40.1B	46.0	77.9	62.7	46.4	40.6	40.2	46.0	44.9	42.2	24
25	49.0	43.5	40.8B	46.7	77.5	61.4	46.9	37.5	40.4	45.3	43.8	41.6	25
26	48.7	44.2	41.0	48.2	75.7	60.0	46.7	37.5	39.6	45.4	43.3	40.9	26
27	47.3	43.7	41.6	51.6	73.1	60.3	44.4	37.3	40.5	45.4B	43.8	41.0	27
28	46.5	44.3	42.2	53.6	74.6	61.0	44.1	37.2	43.3	42.6B	44.3	41.1	28
29	45.7		42.5	55.4	74.6	59.8	44.8	36.6	45.3	37.7	44.9	41.0	29
30	45.8		42.4	57.6	74.6	58.2	44.7	36.1	40.7	46.2	45.0	40.0	30
31	45.5		42.4		70.6		43.4	35.2		45.6		39.1	31
TOTAL	1 537.8	1 247.5	1 332.0	1 331.9	2 270.6	1 977.4	1 550.0	1 203.0	1 156.0	1 331.5	1 356.3	1 352.9	TOTAL
MEAN	49.6	44.6	43.0	44.4	73.2	65.9	50.0	38.8	38.5	43.0	45.2	43.6	MEAN
MAX	53.0	46.9	45.0	57.6	79.2	76.9	56.4	45.1	45.3	46.4	47.4	46.1	MAX
MIN	45.5	43.2	40.1	40.9	59.6	58.2	43.4	35.2	35.5	37.7	43.3	39.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 48.3
MAXIMUM DAILY, 79.2 ON MAY 19
MINIMUM DAILY, 35.2 ON AUG 31
MAXIMUM INSTANTANEOUS,
81.3 AT 13:09 CST ON MAY 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 58 00 N
LONG 108 10 30 W
DRAINAGE AREA, 9 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	133 000	JUL	134 000
FEB	108 000	AUG	104 000
MAR	115 000	SEP	99 900
APR	115 000	OCT	115 000
MAY	196 000	NOV	117 000
JUN	171 000	DEC	117 000

TOTAL DISCHARGE, 1 520 000 dam³

REMARKS - THE PEAK DISCHARGE WAS PARTLY DUE TO WIND ON DAVY LAKE

MACNAB CREEK NEAR SOMME - STATION NO. 05LB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.271B	0.002	0	0	0	0	0	---	---	1
2	---	---	0 B	0.451B	0.002	0	0	0	0	0	---	---	2
3	---	---	0 B	0.559	0.004	0	0	0	0	0	---	---	3
4	---	---	0 B	0.363	0.008	0	0	0	0	0	---	---	4
5	---	---	0 B	0.256	0.010	0	0	0	0	0	---	---	5
6	---	---	0 B	0.169	0.015	0	0	0	0	0	---	---	6
7	---	---	0 B	0.113	0.009	0	0	0	0	0	---	---	7
8	---	---	0 B	0.080	0.009	0	0	0	0	0	---	---	8
9	---	---	0 B	0.053	0.008	0	0	0	0	0	---	---	9
10	---	---	0 B	0.020	0.005	0	0	0	0	0	---	---	10
11	---	---	0 B	0.016	0.002	0	0	0	0	0	---	---	11
12	---	---	0 B	0.018	0.001	0	0	0	0	0	---	---	12
13	---	---	0 B	0.022	0.025	0	0	0	0	0	---	---	13
14	---	---	0 B	0.021	0.026	0	0	0	0	0	---	---	14
15	---	---	0 B	0.018	0.012	0	0	0	0	0	---	---	15
16	---	---	0 B	0.010	0.011	0	0	0	0	0	---	---	16
17	---	---	0 B	0.008	0.035	0	0	0	0	0	---	---	17
18	---	---	0 B	0.013	0.008	0	0	0	0	0	---	---	18
19	---	---	0 B	0.041	0.053	0	0	0	0	0	---	---	19
20	---	---	0 B	0.050	0.002	0	0	0	0	0	---	---	20
21	---	---	0 B	0.060	0.001	0	0	0	0	0	---	---	21
22	---	---	0 B	0.044	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0.040	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0.036	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0.010	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.009	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0.006	0	0	0	0	0	0	---	---	27
28	---	---	0 B	0.004	0	0	0	0	0	0	---	---	28
29	---	---	0.023B	0.004	0	0	0	0	0	0	---	---	29
30	---		0.113B	0.001	0	0	0	0	0	0	---	---	30
31	---		0.167B		0		0	0		0	---	---	31
TOTAL	---	---	0.303	2.766	0.248	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.010	0.092	0.008	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.167	0.559	0.053	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.559 ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.748 AT 20:17 CST ON APR 02

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 29 N
LONG 102 57 57 W
DRAINAGE AREA, 87.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	26.2	SEP	0
APR	239	OCT	0
MAY	21.4	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 287 dam³

MADGE LAKE NEAR KAMSACK - STATION NO. 05LE012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	608.762	608.724	608.674	608.624	608.523	608.478	---	1
2	---	---	---	---	---	608.761	608.720	608.670	608.620	608.521	608.474	---	2
3	---	---	---	---	---	608.761	608.720	608.669	608.616	608.513	---	---	3
4	---	---	---	---	---	608.745	608.728	608.665	608.608	608.511	---	---	4
5	---	---	---	---	---	608.749E	608.727	608.661	608.604	608.509	---	---	5
6	---	---	---	---	---	608.753E	608.727	608.655	608.602	608.507E	---	---	6
7	---	---	---	---	---	608.757	608.729	608.650	608.596	608.505E	---	---	7
8	---	---	---	---	---	608.756	608.729	608.648	608.593E	608.503E	---	---	8
9	---	---	---	---	---	608.758	608.727	608.640	608.590E	608.501	---	---	9
10	---	---	---	---	---	608.756	608.727	608.635	608.586	608.493	---	---	10
11	---	---	---	---	---	608.750	608.726	608.633	608.584	608.492	---	---	11
12	---	---	---	---	---	608.750	608.724	608.625	608.584	608.490	---	---	12
13	---	---	---	---	---	608.749	608.720	608.621	608.581	608.489E	---	---	13
14	---	---	---	---	---	608.751	608.718	608.616	608.573	608.488E	---	---	14
15	---	---	---	---	---	608.747	608.716	608.614	608.571E	608.488	---	---	15
16	---	---	---	---	---	608.739	608.715	608.610	608.570E	608.488	---	---	16
17	---	---	---	---	---	608.743	608.713	608.608	608.569	608.484	---	---	17
18	---	---	---	---	---	608.741	608.709	608.609	608.559	608.482	---	---	18
19	---	---	---	---	---	608.740	608.707	608.604E	608.557	608.480	---	---	19
20	---	---	---	---	---	608.728	608.705	608.599	608.555	608.481E	---	---	20
21	---	---	---	---	---	608.734	608.703	608.596	608.553	608.483E	---	---	21
22	---	---	---	---	---	608.736	608.700	608.610	608.550E	608.484	---	---	22
23	---	---	---	---	---	608.732	608.694	608.610	608.546E	608.484	---	---	23
24	---	---	---	---	---	608.729	608.693	608.609	608.543	608.481	---	---	24
25	---	---	---	---	---	608.727	608.690	608.623	608.541	608.480	---	---	25
26	---	---	---	---	---	608.723	608.686	608.625	608.539	608.478	---	---	26
27	---	---	---	---	---	608.724	608.689	608.629	608.531	608.477E	---	---	27
28	---	---	---	---	---	608.724E	608.691	608.627	608.531	608.477E	---	---	28
29	---		---	---	---	608.724E	608.687	608.626	608.528E	608.476	---	---	29
30	---		---	---	---	608.724E	608.682	608.624	608.526E	608.476	---	---	30
31	---		---		608.767		608.678	608.624		608.474		---	31
MEAN	---	---	---	---	---	608.743	608.710	608.630	608.571	608.491	---	---	MEAN
MAX	---	---	---	---	---	608.762	608.729	608.674	608.624	608.523	---	---	MAX
MIN	---	---	---	---	---	608.723	608.678	608.596	608.526	608.474	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 38 23 N
LONG 101 39 43 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
73 km²

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.19 B	0.058	0.002	0	0	0	0	---	---	1
2	---	---	0 B	4.61 B	0.052	0.008	0	0	0	0	---	---	2
3	---	---	0 B	10.1	0.051	0.004	0	0	0	0	---	---	3
4	---	---	0 B	8.09	0.045	0.003	0	0	0	0	---	---	4
5	---	---	0 B	3.91	0.040	0.003	0	0	0	0	---	---	5
6	---	---	0 B	2.98	0.035	0.004	0	0	0	0	---	---	6
7	---	---	0 B	2.91	0.031	0.004	0	0	0	0	---	---	7
8	---	---	0 B	1.50 B	0.028	0.004	0	0	0	0	---	---	8
9	---	---	0.028B	0.772B	0.021	0.003	0	0	0	0	---	---	9
10	---	---	0.082B	0.565B	0.016	0.003	0	0	0	0	---	---	10
11	---	---	0.097B	0.405B	0.013	0.042	0	0	0	0	---	---	11
12	---	---	0.168B	0.274B	0.006	0.012	0	0	0	0	---	---	12
13	---	---	0.714B	0.307B	0.005	0.006	0	0	0	0	---	---	13
14	---	---	0.663B	0.284B	0.004	0.003	0	0	0	0	---	---	14
15	---	---	0.433B	0.257B	0.004	0.001	0	0	0	0	---	---	15
16	---	---	0.201B	0.207B	0.004	0.001	0	0	0	0	---	---	16
17	---	---	0.457B	0.153B	0.003	0	0	0	0	0	---	---	17
18	---	---	0.255B	0.124	0.003	0	0	0	0	0	---	---	18
19	---	---	0.099B	0.126	0.003	0	0	0	0	0	---	---	19
20	---	---	0.100B	0.162	0.004	0	0	0	0	0	---	---	20
21	---	---	0.073B	0.171	0.003	0	0	0	0	0	---	---	21
22	---	---	0.049B	0.147	0.003	0	0	0	0	0	---	---	22
23	---	---	0.025B	0.124	0.003	0	0	0	0	0	---	---	23
24	---	---	0.015B	0.109	0.002	0	0	0	0	0	---	---	24
25	---	---	0.007B	0.104	0.002	0	0	0	0	0	---	---	25
26	---	---	0.004B	0.118	0.001	0	0	0	0	0	---	---	26
27	---	---	0.001B	0.095	0.001	0	0	0	0	0	---	---	27
28	---	---	0.006B	0.087	0.001	0	0	0	0	0	---	---	28
29	---	---	0.248B	0.067	0	0	0	0	0	0	---	---	29
30	---		4.68 B	0.062	0	0	0	0	0	0	---	---	30
31	---		9.90 B		0		0	0		0		---	31
TOTAL	---	---	18.305	42.010	0.442	0.103	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.591	1.40	0.014	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	9.90	10.1	0.058	0.042	0	0	0	0	---	---	MAX
MIN	---	---	0	0.062	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.248
MAXIMUM DAILY, 10.1 ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
15.1B AT 04:28 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 52 N
LONG 104 12 11 W
DRAINAGE AREA, 121 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 580	SEP	0
APR	3 630	OCT	0
MAY	38.2	NOV	---
JUN	8.90	DEC	---

TOTAL DISCHARGE, 5 260 dam³

MAKWA LAKE NEAR LOON LAKE - STATION NO. 06AD014

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	524.257	524.172	524.123	524.013	523.932	---	---	1
2	---	---	---	---	---	524.252	---	524.113	---	---	---	---	2
3	---	---	---	---	---	524.252	---	524.103	---	---	---	---	3
4	---	---	---	---	---	524.242	---	---	---	---	---	---	4
5	---	---	---	---	---	524.242	---	524.098	---	---	---	---	5
6	---	---	---	---	---	524.242	524.193	---	---	---	---	---	6
7	---	---	---	---	---	524.242	---	---	---	---	---	---	7
8	---	---	---	---	---	524.237	524.193	524.083	---	---	---	---	8
9	---	---	---	---	---	524.237	---	524.078	---	---	---	---	9
10	---	---	---	---	---	---	---	524.073	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	523.908	---	---	11
12	---	---	---	---	---	524.232	---	---	---	---	---	---	12
13	---	---	---	---	---	524.227	---	524.063	---	---	---	---	13
14	---	---	---	---	---	524.222	---	---	523.982	---	523.882	---	14
15	---	---	---	---	---	524.222	---	524.053	---	---	---	---	15
16	---	---	---	---	---	524.217	524.153	524.061	---	523.904	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	524.143	---	---	---	---	---	20
21	---	---	---	---	---	524.192	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	524.133	---	---	---	---	---	25
26	---	---	---	---	---	---	524.133	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	524.271	524.172	---	---	---	---	---	---	28
29	---		---	---	524.272	---	---	---	---	---	---	---	29
30	---		---	---	524.272	524.162	---	---	---	---	---	---	30
31	---		---		524.262		524.123	524.013		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 04 46 N
LONG 109 12 23 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
1 420 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 06AD009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.109B	0.162B	0.837	0.636	0.251	0.419	0.051	0.001	---	---	1
2	---	---	0.103B	0.185B	0.838	0.553	0.267	0.402	0.045	0.001	---	---	2
3	---	---	0.101B	0.225B	0.832	0.510	0.402	0.374	0.039	0.001	---	---	3
4	---	---	0.101B	0.261	0.856	0.494	0.560	0.344	0.033	0.001	---	---	4
5	---	---	0.097B	0.308	0.929	0.465	0.666	0.312	0.030	0.001	---	---	5
6	---	---	0.093B	0.345	1.02	0.449	0.769	0.326	0.028	0.001	---	---	6
7	---	---	0.092B	0.392	1.02	0.415	0.803	0.331	0.022	0.001	---	---	7
8	---	---	0.086B	0.435	1.08	0.400	0.814	0.310	0.020	0.001	---	---	8
9	---	---	0.083B	0.480	1.07	0.364	0.854	0.299	0.018	0.001	---	---	9
10	---	---	0.078B	0.509	1.04	0.339	0.877	0.286	0.015	0.001	---	---	10
11	---	---	0.082B	0.528	1.00	0.343	0.904	0.284	0.014	0.001	---	---	11
12	---	---	0.083B	0.554	0.981	0.310	0.911	0.281	0.014	0.001	---	---	12
13	---	---	0.082B	0.589	0.970	0.291	0.923	0.275	0.013	0.001	---	---	13
14	---	---	0.082B	0.620	0.950	0.291	0.875	0.270	0.010	0.001	---	---	14
15	---	---	0.081B	0.647	0.917	0.302	0.748	0.253	0.009	0.001	---	---	15
16	---	---	0.081B	0.665	0.891	0.316	0.691	0.247	0.007	0.001	---	---	16
17	---	---	0.077B	0.675	0.880	0.311	0.749	0.226	0.005	0.001	---	---	17
18	---	---	0.076B	0.690	0.886	0.285	0.760	0.195	0.004	0.001	---	---	18
19	---	---	0.080B	0.705	0.866	0.264	0.700	0.200	0.003	0.001	---	---	19
20	---	---	0.084B	0.693	0.868	0.271	0.659	0.204	0.003	0.001	---	---	20
21	---	---	0.084B	0.681	0.884	0.260	0.438	0.202	0.003	0.001	---	---	21
22	---	---	0.085B	0.664	0.860	0.239	0.458	0.198	0.002	0.001	---	---	22
23	---	---	0.085B	0.671	0.822	0.240	0.488	0.182	0.002	0.001	---	---	23
24	---	---	0.090B	0.679	0.788	0.233	0.517	0.175	0.001	0.001	---	---	24
25	---	---	0.093B	0.721	0.756	0.244	0.513	0.147	0.001	0.001	---	---	25
26	---	---	0.097B	0.788	0.751	0.242	0.505	0.110	0.001	0.001	---	---	26
27	---	0.116B	0.104B	0.800	0.728	0.242	0.498	0.092	0.001	0.001	---	---	27
28	---	0.114B	0.111B	0.796	0.688	0.255	0.515	0.075	0.001	0.001	---	---	28
29	---		0.118B	0.846	0.677	0.259	0.494	0.061	0.001	0.001	---	---	29
30	---		0.127B	0.833	0.662	0.249	0.462	0.057	0.00	0.001	---	---	30
31	---		0.139B		0.637		0.425	0.054		0.001A		---	31
TOTAL	---	---	2.886	17.147	26.984	10.072	19.496	7.191	0.397	0.031	---	---	TOTAL
MEAN	---	---	0.093	0.572	0.871	0.336	0.629	0.232	0.013	0.001	---	---	MEAN
MAX	---	---	0.139	0.846	1.08	0.636	0.923	0.419	0.051	0.001	---	---	MAX
MIN	---	---	0.077	0.162	0.637	0.233	0.251	0.054	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.344
MAXIMUM DAILY, 1.08 ON MAY 08
MINIMUM DAILY, 0.001 ON SEP 24
MAXIMUM INSTANTANEOUS,
1.12 AT 18:39 CST ON MAY 06

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 04 40 N
LONG 109 12 00 W
DRAINAGE AREA, 1 420 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 680
FEB	---	AUG	621
MAR	249	SEP	34.3
APR	1 480	OCT	2.68
MAY	2 330	NOV	---
JUN	870	DEC	---

TOTAL DISCHARGE, 7 270 dam³

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.177B	2.09B	4.02	1.96	0.176	0.515	0.062	0.001	---	---	1
2	---	---	0.203B	3.91B	4.02	1.86	0.164	0.533	0.056	0.040	---	---	2
3	---	---	0.209B	6.11B	4.15	1.74	0.331	0.498	0.048	0.055	---	---	3
4	---	---	0.216B	10.9 B	4.42	1.50	0.496	0.477	0.042	0.060	---	---	4
5	---	---	0.216B	20.2 B	4.59	1.28	0.571	0.445	0.039	0.070	---	---	5
6	---	---	0.223B	25.3	4.71	1.03	0.527	0.421	0.036	0.080	---	---	6
7	---	---	0.213B	23.3	5.07	0.882	0.566	0.395	0.032	0.082	---	---	7
8	---	---	0.212B	20.4	5.62	0.779	0.589	0.414	0.028	0.085	---	---	8
9	---	---	0.207B	17.8	5.85	0.694	0.634	0.431	0.024	0.090	---	---	9
10	---	---	0.201B	15.5	5.77	0.595	0.641	0.455	0.022	0.090	---	---	10
11	---	---	0.211B	13.5	5.91	0.658	0.574	0.445	0.020	0.090	---	---	11
12	---	---	0.218B	10.9	5.91	0.603	0.572	0.405	0.018	0.088	---	---	12
13	---	---	0.214B	8.04	5.78	0.519	0.578	0.357	0.016	0.086	---	---	13
14	---	---	0.246B	5.89	5.47	0.496	0.568	0.351	0.014	0.084	---	---	14
15	---	---	0.304B	4.82	5.20	0.449	0.549	0.301	0.012	0.082	---	---	15
16	---	---	0.436B	4.02	5.10	0.306	0.556	0.340	0.011	0.080	---	---	16
17	---	---	0.475B	3.66	4.80	0.200	0.567	0.284	0.010	0.078	---	---	17
18	---	---	0.482B	3.39	4.48	0.194	0.568	0.281	0.009	0.076	---	---	18
19	---	---	0.511B	3.22	4.21	0.278	0.569	0.250	0.009	0.074	---	---	19
20	---	---	0.508B	3.17	3.95	0.316	0.587	0.232	0.008	0.070	---	---	20
21	---	---	0.473B	3.14	3.81	0.281	0.561	0.248	0.008	0.066	---	---	21
22	---	---	0.471B	3.12	3.73	0.246	0.555	0.225	0.007	0.064	---	---	22
23	---	---	0.466B	3.07	3.58	0.317	0.527	0.214	0.006	0.062	---	---	23
24	---	---	0.455B	3.31	3.40	0.327	0.516	0.157	0.006	0.060	---	---	24
25	---	---	0.455B	3.38	3.27	0.311	0.520	0.122	0.005	0.060	---	---	25
26	---	---	0.473B	3.50	3.09	0.271	0.521	0.095	0.004	0.060	---	---	26
27	---	0.204B	0.435B	3.77	2.91	0.267	0.558	0.117	0.004	0.062	---	---	27
28	---	0.186B	0.416B	3.91	2.74	0.242	0.559	0.111	0.003	0.064	---	---	28
29	---		0.549B	3.92	2.57	0.243	0.526	0.086	0.002	0.069	---	---	29
30	---		0.739B	3.96	2.34	0.200	0.505	0.080	0.002	0.072A	---	---	30
31	---		1.20 B		2.16		0.507	0.070		0.072E		---	31
TOTAL	---	---	11.814	241.20	132.64	19.044	16.238	9.355	0.563	2.172	---	---	TOTAL
MEAN	---	---	0.381	8.04	4.28	0.635	0.524	0.302	0.019	0.070	---	---	MEAN
MAX	---	---	1.20	25.3	5.91	1.96	0.641	0.533	0.062	0.090	---	---	MAX
MIN	---	---	0.177	2.09	2.16	0.194	0.164	0.070	0.002	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.77
MAXIMUM DAILY, 25.3 ON APR 06
MINIMUM DAILY, 0.001 ON OCT 01
MAXIMUM INSTANTANEOUS,
27.7 AT 00:00 CST ON APR 06

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 50 N
LONG 108 48 20 W
DRAINAGE AREA, 2 740 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 400
FEB	---	AUG	808
MAR	1 020	SEP	48.6
APR	20 800	OCT	188
MAY	11 500	NOV	---
JUN	1 650	DEC	---

TOTAL DISCHARGE, 37 400 dam³

MALONECK CREEK NEAR PELLY - STATION NO. 05LE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.010B	0.463	0.074	0.604	0.002	0	0	---	---	1
2	---	---	0B	0.059B	0.479	0.051	0.386	0.001	0	0	---	---	2
3	---	---	0B	0.200B	0.730	0.045	0.401	0.001	0	0	---	---	3
4	---	---	0B	0.800B	0.575	0.045	0.313	0	0	0	---	---	4
5	---	---	0B	0.750B	0.468	0.055	0.292	0	0	0	---	---	5
6	---	---	0B	0.699B	0.408	0.048	0.331	0	0	0	---	---	6
7	---	---	0B	0.680B	0.336	0.047	0.326	0	0	0	---	---	7
8	---	---	0B	0.660B	0.393	0.052	0.309	0	0	0	---	---	8
9	---	---	0B	0.640B	0.452	0.056	0.278	0	0	0	---	---	9
10	---	---	0B	0.627B	0.486	0.059	0.214	0	0	0	---	---	10
11	---	---	0B	0.536B	0.367	0.048	0.167	0	0	0	---	---	11
12	---	---	0B	0.445B	0.328	0.038	0.120	0	0	0	---	---	12
13	---	---	0B	0.620B	0.268	0.035	0.127	0	0	0	---	---	13
14	---	---	0B	0.795B	0.211	0.048	0.177	0	0	0	---	---	14
15	---	---	0B	1.08 B	0.188	0.032	0.086	0	0	0	---	---	15
16	---	---	0B	1.38 B	0.254	0.021	0.048	0	0	0	---	---	16
17	---	---	0B	1.65 B	0.451	0.020	0.071	0	0	0	---	---	17
18	---	---	0B	1.94 B	0.751	0.016	0.064	0	0	0	---	---	18
19	---	---	0B	2.40 B	0.744	0.012	0.048	0	0	0	---	---	19
20	---	---	0B	2.91 B	0.564	0.012	0.035	0	0	0	---	---	20
21	---	---	0B	2.84	0.534	0.009	0.025	0	0	0	---	---	21
22	---	---	0B	2.54	0.795	0.005	0.015	0	0	0	---	---	22
23	---	---	0B	2.27	0.557	0.005	0.011	0	0	0	---	---	23
24	---	---	0B	1.86	0.508	0.004	0.009	0.001	0	0	---	---	24
25	---	---	0B	1.49	0.482	0.010	0.007	0.002	0	0	---	---	25
26	---	---	0B	1.18	0.335	0.038	0.019	0.001	0	0	---	---	26
27	---	---	0B	0.962	0.229	0.033	0.024	0.001	0	0	---	---	27
28	---	---	0B	0.763	0.157	0.037	0.031	0.001	0	0	---	---	28
29	---	---	0B	0.557	0.131	0.536	0.014	0.001	0	0	---	---	29
30	---		0B	0.475	0.128	0.751	0.006	0	0	0	---	---	30
31	---		0B		0.098		0.004	0		0		---	31
TOTAL	---	---	0	33.818	12.770	2.242	4.562	0.011	0	0	---	---	TOTAL
MEAN	---	---	0	1.13	0.412	0.075	0.147	0	0	0	---	---	MEAN
MAX	---	---	0	2.91	0.795	0.751	0.604	0.002	0	0	---	---	MAX
MIN	---	---	0	0.010	0.098	0.004	0.004	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.218
MAXIMUM DAILY, 2.91B ON APR 20
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
3.06B AT 19:30 CST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 08 N
LONG 101 54 50 W
DRAINAGE AREA, 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	394
FEB	---	AUG	0.950
MAR	0	SEP	0
APR	2 920	OCT	0
MAY	1 100	NOV	---
JUN	194	DEC	---

TOTAL DISCHARGE, 4 610 dam³

MANITO LAKE NEAR MARSDEN - STATION NO. 05GA005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	23.706	23.712E	23.703	---	---	---	---	1
2	---	---	---	---	---	23.734	23.707	23.702	---	---	---	---	2
3	---	---	---	---	---	23.734	23.717	23.696	---	---	---	---	3
4	---	---	---	---	---	23.729	23.722	23.696E	---	---	---	---	4
5	---	---	---	---	---	23.718	23.717	23.695E	---	---	---	---	5
6	---	---	---	---	---	23.718	23.712	23.694	---	---	---	---	6
7	---	---	---	---	---	23.726	23.724	23.684	---	---	---	---	7
8	---	---	---	---	---	23.714	23.726	23.683	---	---	---	---	8
9	---	---	---	---	---	23.719	23.726	23.679	---	---	---	---	9
10	---	---	---	---	---	23.724	23.718	23.679	---	---	---	---	10
11	---	---	---	---	---	23.728	23.723	23.679	---	---	---	---	11
12	---	---	---	---	---	23.718	23.726	23.674	---	---	---	---	12
13	---	---	---	---	---	23.708	23.706	23.664	---	---	---	---	13
14	---	---	---	---	---	23.716	23.708	23.666E	---	---	---	---	14
15	---	---	---	---	---	23.713	23.705	23.669	---	---	---	---	15
16	---	---	---	---	---	23.718	23.703	23.659	---	---	---	---	16
17	---	---	---	---	---	23.713	23.694	23.659	---	---	---	---	17
18	---	---	---	---	---	23.710	23.690E	23.659	---	---	---	---	18
19	---	---	---	---	---	23.711	23.686	23.648E	23.545	---	---	---	19
20	---	---	---	---	---	23.711	23.675	23.638	---	---	---	---	20
21	---	---	---	---	---	23.703	23.687	23.638	---	---	---	---	21
22	---	---	---	---	23.734	23.703	23.683	23.638	---	---	---	---	22
23	---	---	---	---	23.730	23.708	23.675	23.628	---	---	23.422	---	23
24	---	---	---	---	23.730	23.702E	23.675	23.633	---	---	---	---	24
25	---	---	---	---	23.750	23.697	23.674	23.628	---	---	---	---	25
26	---	---	---	---	23.715	23.707	23.670	23.626E	---	---	---	---	26
27	---	---	---	---	23.715	23.692	23.680	23.623	---	---	---	---	27
28	---	---	---	---	23.714	23.692	23.700	23.612	---	---	---	---	28
29	---		---	---	23.738	23.716	23.695	23.612	---	---	---	---	29
30	---		---	---	23.729	23.717	23.700	23.618	---	---	---	---	30
31	---		---		23.716		23.695	23.616		---		---	31
MEAN	---	---	---	---	---	23.714	23.701	23.658	---	---	---	---	MEAN
MAX	---	---	---	---	---	23.734	23.726	23.703	---	---	---	---	MAX
MIN	---	---	---	---	---	23.692	23.670	23.612	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 47 33 N
LONG 109 47 14 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
1 300 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05HA076

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.003B	0.007B	0.005B	0.003	0.001E	0	0	0	0	---	---	1
2	---	0.003B	0.007B	0.004B	0.003	0.001E	0	0	0	0	---	---	2
3	---	0.003B	0.006B	0.003B	0.002	0.001E	0	0	0	0	---	---	3
4	---	0.003B	0.005B	0.003B	0.002	0.001E	0	0	0	0	---	---	4
5	---	0.003B	0.004B	0.004B	0.001	0.001	0	0	0	0	---	---	5
6	---	0.003B	0.004B	0.004B	0.001E	0.001	0	0	0	0	---	---	6
7	---	0.003B	0.003B	0.003B	0.001E	0.001	0	0	0	0	---	---	7
8	---	0.003B	0.003B	0.003B	0.001	0.001	0	0	0	0	---	---	8
9	---	0.003B	0.003B	0.003	0.001	0	0	0	0	0	---	---	9
10	---	0.003B	0.002B	0.003	0.001	0	0	0	0	0	---	---	10
11	---	0.003B	0.003B	0.002	0.001E	0	0	0	0	0	---	---	11
12	---	0.003B	0.003B	0.002	0.001E	0	0	0	0	0	---	---	12
13	---	0.003B	0.002B	0.002	0.001E	0	0	0	0	0	---	---	13
14	---	0.003B	0.003B	0.002	0.001E	0	0	0	0	0	---	---	14
15	---	0.003B	0.003B	0.002	0.001E	0	0	0	0	0.272	---	---	15
16	---	0.003B	0.003B	0.003	0.001E	0	0	0	0	0.714	---	---	16
17	---	0.003B	0.004B	0.004	0.001E	0	0	0	0	0.709	---	---	17
18	---	0.003B	0.004B	0.004	0.001E	0	0	0	0	0.317	---	---	18
19	---	0.003B	0.005B	0.005	0.001	0	0	0	0	0.008	---	---	19
20	---	0.003B	0.005B	0.004	0.001	0	0	0	0	0.006	---	---	20
21	---	0.003B	0.005B	0.004	0.001	0	0	0	0	0.006	---	---	21
22	---	0.003B	0.004B	0.004	0.001E	0	0	0	0	0.005	---	---	22
23	---	0.004B	0.004B	0.004	0.001E	0	0	0	0	0.038	---	---	23
24	---	0.004B	0.004B	0.004	0.001	0	0	0	0	0.007	---	---	24
25	---	0.005B	0.004B	0.005	0.001	0	0	0	0	0.004	---	---	25
26	---	0.004B	0.004B	0.006	0.001	0	0	0	0	0.002	---	---	26
27	---	0.002B	0.005B	0.005	0.001	0	0	0	0	0.001	---	---	27
28	---	0.003B	0.005B	0.004	0.001E	0	0	0	0	0	---	---	28
29	---		0.005B	0.004	0.001E	0	0	0	0	0	---	---	29
30	---		0.005B	0.004	0.001E	0	0	0	0	0 A	---	---	30
31	---		0.005B		0.001E		0	0		0 E		---	31
TOTAL	---	0.088	0.129	0.109	0.037	0.008	0	0	0	2.089	---	---	TOTAL
MEAN	---	0.003	0.004	0.004	0.001	0	0	0	0	0.067	---	---	MEAN
MAX	---	0.005	0.007	0.006	0.003	0.001	0	0	0	0.714	---	---	MAX
MIN	---	0.002	0.002	0.002	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS FEB TO OCT

MEAN, 0.009
MAXIMUM DAILY, 0.714 ON OCT 16
MINIMUM DAILY, 0 ON JUN 09
MAXIMUM INSTANTANEOUS,
0.866 AT 11:53 CST ON OCT 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 52 N
LONG 109 31 22 W
DRAINAGE AREA, 1 240 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	7.60	AUG	0
MAR	11.1	SEP	0
APR	9.42	OCT	180
MAY	3.20	NOV	---
JUN	0.691	DEC	---

TOTAL DISCHARGE, 212 dam³

REMARKS - THE PEAK DISCHARGE WAS DUE TO A RELEASE FROM JUNCTION RESERVOIR

MAREAN LAKE NEAR CHELAN - STATION NO. 05LB012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	532.053	532.066	532.019	---	---	---	---	1
2	---	---	---	---	---	532.046	---	532.020	---	---	---	---	2
3	---	---	---	---	---	532.038	---	---	---	---	---	---	3
4	---	---	---	---	---	---	532.076	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	532.036	532.074	531.990	---	---	---	---	6
7	---	---	---	---	---	532.068	532.061	531.980	---	---	---	---	7
8	---	---	---	---	---	532.060	532.066	---	---	---	---	---	8
9	---	---	---	---	---	532.062	532.066	531.991	---	---	---	---	9
10	---	---	---	---	---	532.039	532.064	---	---	---	---	---	10
11	---	---	---	---	---	532.066	532.067	---	---	---	---	---	11
12	---	---	---	---	---	532.051	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	532.065	---	532.058	---	---	---	---	---	14
15	---	---	---	---	---	532.037	532.057	531.976	---	---	531.719	---	15
16	---	---	---	---	---	532.037	---	---	---	---	---	---	16
17	---	---	---	---	---	532.042	---	---	---	---	---	---	17
18	---	---	---	---	---	532.051	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	532.040	---	---	---	---	---	20
21	---	---	---	---	---	---	532.041	---	---	---	---	---	21
22	---	---	---	---	---	---	532.037	531.953	---	---	---	---	22
23	---	---	---	---	532.067	532.044	532.032	531.952	---	---	---	---	23
24	---	---	---	---	532.067	532.051	---	531.951	---	---	---	---	24
25	---	---	---	---	532.067	---	532.039	---	---	---	---	---	25
26	---	---	---	---	532.066	---	532.039	---	---	---	---	---	26
27	---	---	---	---	532.063	---	532.045	---	---	---	---	---	27
28	---	---	---	---	532.059	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	532.066	---	531.940	---	---	---	---	30
31	---		---		532.053		532.019	---		---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 532.076 ON JUL 04

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 29 57 N
LONG 103 34 29 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
427 km²

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001B	0.001	0	0	0.063	0	0	---	---	1
2	---	---	0 B	0.001	0.001	0	0	0.035	0	0	---	---	2
3	---	---	0 B	0.001	0.001	0	0.004	0.020	0	0	---	---	3
4	---	---	0 B	0.001	0.001	0	0.001	0.011	0	0	---	---	4
5	---	---	0 B	0.001	0.001	0	0.001	0.007	0	0	---	---	5
6	---	---	0 B	0.001	0	0	0.003	0.005	0	0	---	---	6
7	---	---	0 B	0.001	0.001	0	0.002	0.003	0	0	---	---	7
8	---	---	0 B	0.001	0.001	0	0.001	0.002	0	0	---	---	8
9	---	---	0 B	0.001	0	0	0.001	0.002	0	0	---	---	9
10	---	---	0 B	0.001	0	0	0.001	0.001	0	0	---	---	10
11	---	---	0 B	0.001	0	0	0.001	0.001	0	0	---	---	11
12	---	---	0 B	0.001	0	0	0	0.001	0	0	---	---	12
13	---	---	0 B	0.001	0	0	0	0.001	0	0	---	---	13
14	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	14
15	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	15
16	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	16
17	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	17
18	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	18
19	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	19
20	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	20
21	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	21
22	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	22
23	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	23
24	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	24
25	---	---	0.001B	0.001	0	0	0	0	0	0	---	---	25
26	---	---	0.001B	0.001	0	0	0.013	0	0	0	---	---	26
27	---	---	0.001B	0.001	0	0	0.006	0	0	0	---	---	27
28	---	---	0.001B	0.001	0	0	0.630	0	0	0	---	---	28
29	---	---	0.001B	0.001	0	0	0.332	0	0	0	---	---	29
30	---		0.001B	0.001	0	0	0.189	0	0	0	---	---	30
31	---		0.001B		0		0.115	0		0		---	31
TOTAL	---	---	0.018	0.030	0.009	0	1.300	0.152	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.001	0	0	0.042	0.005	0	0	---	---	MEAN
MAX	---	---	0.001	0.001	0.001	0	0.630	0.063	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.630 ON JUL 28
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.978 AT 07:59 CST ON JUL 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 14 N
LONG 106 50 05 W
DRAINAGE AREA, 259 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	112
FEB	---	AUG	11.1
MAR	1.56	SEP	0
APR	2.59	OCT	0
MAY	0.778	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 130 dam³

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO. 05HF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.008	0.004	0	0	0	0	0	---	---	1
2	---	---	0.005B	0.010	0.005	0	0	0	0	0	---	---	2
3	---	---	0.004B	0.015	0.005	0.001	0.049	0	0	0	---	---	3
4	---	---	0.023B	0.010	0.004	0.002	0.051	0	0	0	---	---	4
5	---	---	0.028B	0.004	0.003	0.002	0.016	0	0	0	---	---	5
6	---	---	0.089B	0.003	0.002	0.002	0.006	0	0	0	---	---	6
7	---	---	0.095B	0.003	0.002	0.001	0.005	0	0	0	---	---	7
8	---	---	0.038B	0.003	0.001	0	0.004	0	0	0	---	---	8
9	---	---	0.024B	0.003	0.001	0	0.002	0	0	0	---	---	9
10	---	---	0.008	0.001	0.001	0	0	0	0	0	---	---	10
11	---	---	0.008	0	0.001	0.001	0	0	0	0	---	---	11
12	---	---	0.011	0	0	0.002	0	0	0	0	---	---	12
13	---	---	0.002	0	0.001	0.001	0	0	0	0	---	---	13
14	---	---	0.002	0.001	0.002	0	0	0	0	0	---	---	14
15	---	---	0	0.004	0.004	0	0	0	0	0	---	---	15
16	---	---	0.012	0.003	0.004	0	0	0	0	0	---	---	16
17	---	---	0.016	0.002	0.003	0	0	0	0	0	---	---	17
18	---	---	0.004	0.002	0.002	0	0	0	0	0	---	---	18
19	---	---	0.003	0.003	0.002	0	0	0	0	0	---	---	19
20	---	---	0.011	0.003	0.002	0	0	0	0	0	---	---	20
21	---	---	0.003	0.003	0.002	0	0	0	0	0	---	---	21
22	---	---	0	0.003	0.002	0	0	0	0	0	---	---	22
23	---	---	0	0.003	0.002	0	0	0	0	0	---	---	23
24	---	---	0	0.003	0.001	0	0	0	0	0	---	---	24
25	---	---	0	0.002	0.001	0	0	0	0	0	---	---	25
26	---	---	0	0.002	0	0	0	0	0	0	---	---	26
27	---	---	0	0.002	0	0	0	0	0	0	---	---	27
28	---	---	0.007	0.002	0	0	0	0	0	0	---	---	28
29	---	---	0.011	0.002	0	0	0	0	0	0	---	---	29
30	---		0.014	0.002	0	0	0	0	0	0	---	---	30
31	---		0.013		0		0	0		0		---	31
TOTAL	---	---	0.431	0.102	0.057	0.012	0.133	0	0	0	---	---	TOTAL
MEAN	---	---	0.014	0.003	0.002	0	0.004	0	0	0	---	---	MEAN
MAX	---	---	0.095	0.015	0.005	0.002	0.051	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.095B ON MAR 07
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.330B AT 09:30 CST ON MAR 07

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 20 04 N
LONG 108 26 56 W
DRAINAGE AREA, 46.1 km²

B - ICE CONDITIONS

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11.5
FEB	---	AUG	0
MAR	37.2	SEP	0
APR	8.81	OCT	0
MAY	4.92	NOV	---
JUN	1.04	DEC	---

TOTAL DISCHARGE, 63.5 dam³

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AB044

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.001	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0.645A	0	0	0	0	0	---	---	8
9	---	---	0	0	0.473A	0	0	0	0	0	---	---	9
10	---	---	0	0	0.421	0	0	0	0	0	---	---	10
11	---	---	0	0	0.410	0	0	0	0	0	---	---	11
12	---	---	0	0	0.405	0	0	0	0	0	---	---	12
13	---	---	0	0	0.405	0	0	0	0	0	---	---	13
14	---	---	0	0	0.407	0	0	0	0	0	---	---	14
15	---	---	0	0	0.385	0	0	0	0	0	---	---	15
16	---	---	0	0	0.389	0	0	0	0	0	---	---	16
17	---	---	0	0	0.721	0	0	0	0	0	---	---	17
18	---	---	0	0	0.937	0	0	0	0	0	---	---	18
19	---	---	0	0	0.958	0	0	0	0	0	---	---	19
20	---	---	0	0	0.961	0	0	0	0	0	---	---	20
21	---	---	0	0	0.923	0	0	0	0	0	---	---	21
22	---	---	0	0	1.02	0	0	0	0	0	---	---	22
23	---	---	0	0	1.14	0	0	0	0	0	---	---	23
24	---	---	0	0	1.15	0	0	0	0	0	---	---	24
25	---	---	0	0	1.14	0	0	0	0	0	---	---	25
26	---	---	0	0	0.910	0	0	0	0	0	---	---	26
27	---	0	0	0	0.248	0	0	0	0	0	---	---	27
28	---	0	0	0	0.043	0	0	0	0	0	---	---	28
29	---		0	0	0.046	0	0	0	0	0	---	---	29
30	---		0	0	0.044	0	0	0	0	0	---	---	30
31	---		0		0.024		0	0		0		---	31
TOTAL	---	---	0	0	14.205	0.001	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.458	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.15	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.058
MAXIMUM DAILY, 1.15 ON MAY 24
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 00 N
LONG 109 29 40 W

A - MANUAL GAUGE

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 230	NOV	---
JUN	0.086	DEC	---

TOTAL DISCHARGE, 1 230 dam³

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 06AD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.814B	0.264B	0.282B	1.75B	10.8	13.8	5.30E	4.60	1.86	0.716	0.323	0.113B	1
2	0.828B	0.247B	0.292B	2.54	11.3	13.5	5.20E	4.28	1.72	0.407	0.298	0.113B	2
3	0.782B	0.250B	0.309B	3.45	11.7	13.2	5.20E	4.22	1.54	0.328	0.344	0.125B	3
4	0.772B	0.252B	0.325B	4.46	12.1	12.9	5.20E	4.12	1.62	0.487	0.359	0.105B	4
5	0.754B	0.252B	0.346B	5.39	12.7	12.2	5.22E	4.11	1.51	0.460	0.344	0.100B	5
6	0.745B	0.257B	0.361B	6.18	13.3A	12.0	5.25E	3.95	1.51	0.481	0.323	0.108B	6
7	0.754B	0.265B	0.378B	6.95	14.2A	11.6	5.30E	3.52	1.28	0.521	0.325	0.117B	7
8	0.765B	0.264B	0.388B	7.32	14.9	11.1	5.35E	3.52	1.31	0.516	0.335	0.123B	8
9	0.731B	0.260B	0.409B	7.73	16.1	10.9	5.39A	3.42	1.26	0.468	0.329	0.114B	9
10	0.730B	0.256B	0.407B	8.00	16.7	10.7	5.73	3.31	1.26	0.335	0.296	0.117B	10
11	0.716B	0.249B	0.437B	8.11	17.6	10.7	5.90	3.20E	1.26	0.505	0.280B	0.121B	11
12	0.643B	0.259B	0.510B	8.06	18.3	10.3	6.06	3.10E	1.34	0.565	0.270B	0.114B	12
13	0.614B	0.251B	0.526B	8.04	18.8	9.45	5.87	3.00E	1.17	0.467	0.257B	0.111B	13
14	0.620B	0.248B	0.549B	7.97	19.0	9.33	5.38	2.95A	1.21	0.453	0.251B	0.109B	14
15	0.610B	0.250B	0.570B	7.76	18.9	9.00	5.63	2.84	1.20	0.445	0.251B	0.110B	15
16	0.608B	0.251B	0.587B	7.76	19.1	8.77	5.93	2.78	1.28	0.497	0.249B	0.110B	16
17	0.598B	0.258B	0.613B	7.69	18.9	8.47	5.97	2.83	0.925	0.500	0.247B	0.114B	17
18	0.555B	0.256B	0.631B	7.54	18.7	8.29	5.82	2.73	0.964	0.537	0.242B	0.121B	18
19	0.541B	0.263B	0.640B	7.43	18.7	7.88	5.81	2.55	0.988	0.384	0.244B	0.119B	19
20	0.521B	0.263B	0.645B	7.38	18.4	7.55	5.82	2.52	0.911	0.368	0.214B	0.119B	20
21	0.521B	0.266B	0.699B	7.34	18.2	7.42	5.75	2.43	0.891	0.440	0.197B	0.120B	21
22	0.511B	0.268B	0.714B	7.37	17.8	7.41A	5.64	2.42	0.950	0.362	0.179B	0.116B	22
23	0.511B	0.276B	0.729B	7.42	17.9	7.20E	5.64	2.08	0.890	0.383	0.176B	0.116B	23
24	0.498B	0.268B	0.753B	7.59	17.5	6.90E	5.58	2.10	0.776	0.453	0.171B	0.110B	24
25	0.475B	0.269B	0.792B	7.95	17.1	6.60E	5.56	2.19	0.723	0.387	0.177B	0.114B	25
26	0.458B	0.276B	0.826B	8.44	16.4	6.40E	5.38	2.14	0.658	0.346	0.164B	0.109B	26
27	0.424B	0.274B	0.854B	8.89	16.1	6.10E	5.17	1.98	0.702	0.426	0.166B	0.115B	27
28	0.385B	0.269B	0.886B	9.10	15.9	5.90E	4.84	1.90	0.786	0.360	0.162B	0.121B	28
29	0.339B		0.935B	9.34	15.6	5.60E	4.98	1.86	0.675	0.351	0.138B	0.114B	29
30	0.319B		1.01 B	10.3	15.3	5.50E	4.89	1.98	0.544	0.361	0.115B	0.121B	30
31	0.291B		1.25 B		14.3		4.82	1.74		0.335		0.123B	31
TOTAL	18.423	7.281	18.661	215.15	502.3	276.67	169.57	90.37	33.583	13.644	7.426	3.562	TOTAL
MEAN	0.594	0.260	0.602	7.17	16.2	9.22	5.47	2.92	1.12	0.440	0.248	0.115	MEAN
MAX	0.828	0.276	1.25	10.3	19.1	13.8	6.06	4.60	1.86	0.716	0.359	0.125	MAX
MIN	0.291	0.247	0.282	1.75	10.8	5.50	4.82	1.74	0.544	0.328	0.115	0.100	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.72
MAXIMUM DAILY, 19.1 ON MAY 16
MINIMUM DAILY, 0.100B ON DEC 05
MAXIMUM INSTANTANEOUS, 20.8 AT 15:59 CST ON MAY 21

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 10 N
LONG 108 23 40 W

DRAINAGE AREA, 3 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 590	JUL	14 700
FEB	629	AUG	7 810
MAR	1 610	SEP	2 900
APR	10 600	OCT	1 180
MAY	43 400	NOV	642
JUN	23 900	DEC	308

TOTAL DISCHARGE, 117 000 dam³

REMARKS - THE PEAK DISCHARGE WAS PARTLY DUE TO WIND ON MEADOW LAKE

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.200B	0.069	0	0.040	0.007	0	0	0	---	---	1
2	---	---	0.225B	0.029	0	0.033	0.004	0	0	0	---	---	2
3	---	---	0.350B	0.016	0.556	0.063	0.002	0	0	0	---	---	3
4	---	---	0.648B	0.010	0.617	0.094	0.001	0	0	0	---	---	4
5	---	---	0.656B	0.006	0.677	0.059	0	0	0	0	---	---	5
6	---	---	0.614B	0.022	0.140	0.037	0	0	0	0	---	---	6
7	---	---	3.75 B	0.033	0.051	0.035	0	0	0	0	---	---	7
8	---	---	3.47 B	0.012	0.042	0.024	0	0	0	0	---	---	8
9	---	---	2.17 B	0.007	0.050	0.017	0	0	0	0	---	---	9
10	---	---	2.18 B	0.004	0.046	0.012	0	0	0	0	---	---	10
11	---	---	1.49 B	0.003	0.041	0.009	0	0	0	0	---	---	11
12	---	---	2.46 B	0.002	0.045	0.007	0	0	0	0	---	---	12
13	---	---	1.76 B	0.002	0.037	0.005	0	0	0	0	---	---	13
14	---	---	1.03 B	0.002	0.043	0.004	0	0	0	0	---	---	14
15	---	---	0.705	0.002	0.043	0.003	0	0	0	0	---	---	15
16	---	---	0.602	0.001	0.045	0.003	0	0	0	0	---	---	16
17	---	---	0.539	0.001	0.040	0.002	0	0	0	0	---	---	17
18	---	---	0.568	0.001	0.042	0.002	0	0	0	0	---	---	18
19	---	---	0.427	0.001	0.038	0.001	0	0	0	0	---	---	19
20	---	0 B	0.307	0.001	0.040	0	0	0	0	0	---	---	20
21	---	0 B	0.254	0.001	0.049	0	0	0	0	0	---	---	21
22	---	0 B	0.119	0.001	0.043	0	0	0	0	0	---	---	22
23	---	0 B	0.696	0.001	0.041	0	0	0	0	0	---	---	23
24	---	0 B	0.923	0.001	0.041	0	0	0	0	0	---	---	24
25	---	0.005B	0.408	0.001	0.072	0	0	0	0	0	---	---	25
26	---	0.025B	0.139	0.001	0.060	0	0	0	0	0	---	---	26
27	---	0.075B	0.132	0.001	0.091	0	0	0	0	0	---	---	27
28	---	0.125B	0.127	0	0.046	0.016	0	0	0	0	---	---	28
29	---		0.094	0	0.038	0.032	0	0	0	0	---	---	29
30	---		0.127	0	0.033	0.016	0	0	0	0	---	---	30
31	---		0.111		0.040		0	0		0		---	31
TOTAL	---	---	27.281	0.231	3.147	0.514	0.014	0	0	0	---	---	TOTAL
MEAN	---	---	0.880	0.008	0.102	0.017	0.001	0	0	0	---	---	MEAN
MAX	---	---	3.75	0.069	0.677	0.094	0.007	0	0	0	---	---	MAX
MIN	---	---	0.094	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.127
MAXIMUM DAILY, 3.75B ON MAR 07
MINIMUM DAILY, 0 ON APR 28
MAXIMUM INSTANTANEOUS,
4.77B AT 14:21 CST ON MAR 07

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 01 N
LONG 109 49 02 W
DRAINAGE AREA, 716 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.21
FEB	---	AUG	0
MAR	2 360	SEP	0
APR	20.0	OCT	0
MAY	272	NOV	---
JUN	44.4	DEC	---

TOTAL DISCHARGE, 2 700 dam³

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.415	0	0	0	0	0	---	---	1
2	---	---	0	0	0.023	0	0	0	0	0	---	---	2
3	---	---	0	0	0.004	0	0	0	0	0	---	---	3
4	---	---	0	0	0.001	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0.010	0	0	0	0	0	---	---	15
16	---	---	0	0	0.060	0	0	0	0	0	---	---	16
17	---	---	0	0	0.019	0	0	0	0	0	---	---	17
18	---	---	0	0	0.024	0	0	0	0	0	---	---	18
19	---	---	0.820	0	0.021	0	0	0	0	0	---	---	19
20	---	0	0.725	0	0.050	0	0	0	0	0	---	---	20
21	---	0	0.104	0	0.053	0	0	0	0	0	---	---	21
22	---	0	0.051A	0	0.011	0	0	0	0	0	---	---	22
23	---	0	0.006E	0	0.002	0	0	0	0	0	---	---	23
24	---	0	0.002E	0	0.001	0	0	0	0	0	---	---	24
25	---	0	0.001A	0	0.002	0	0	0	0	0	---	---	25
26	---	0	0	0	0.001	0	0	0	0	0	---	---	26
27	---	0	0	0	0.001	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0.649	0	0	0	0	0	0	---	---	29
30	---		0	1.43	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	1.709	2.079	0.698	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.055	0.069	0.023	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.820	1.43	0.415	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.43 ON APR 30
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
1.62 AT 16:26 CST ON APR 29

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 44 N
LONG 109 55 06 W
DRAINAGE AREA, 385 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	148	SEP	0
APR	180	OCT	0
MAY	60.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 388 dam³

MIDDLE CREEK NEAR GOVENLOCK - STATION NO. 11AB108

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.017B	0.109	0.061	0.053	0	0	0	0	---	---	1
2	---	---	0.186B	0.104	0.836	0.044	0	0	0	0	---	---	2
3	---	---	0.753B	0.096	0.556	0.037	0	0	0	0	---	---	3
4	---	---	1.58 B	0.092	0.258	0.032	0	0	0	0	---	---	4
5	---	---	1.80 B	0.084	0.086	0.028	0	0	0	0	---	---	5
6	---	---	2.59 B	0.079	0.047	0.023	0	0	0	0	---	---	6
7	---	---	3.11 B	0.075	0.051	0.024	0	0	0	0	---	---	7
8	---	---	2.47 B	0.074	0.041	0.025	0	0	0	0	---	---	8
9	---	---	0.956B	0.070	0.034	0.024	0	0	0	0	---	---	9
10	---	---	1.07 B	0.060	0.027	0.021	0	0	0	0	---	---	10
11	---	---	1.02 B	0.062	0.019	0.018	0	0	0	0	---	---	11
12	---	---	0.493B	0.062	0.016	0.018	0	0	0	0	---	---	12
13	---	---	0.109B	0.060	0.017	0.019	0	0	0	0	---	---	13
14	---	---	0.241B	0.093	0.015	0.017	0	0	0	0	---	---	14
15	---	---	0.359B	0.127	0.133	0.016	0	0	0	0	---	---	15
16	---	---	0.271B	0.094	0.058	0.016	0	0	0	0	---	---	16
17	---	---	0.344B	0.075	0.042	0.015	0	0	0	0	---	---	17
18	---	---	0.703B	0.066	0.044	0.016	0	0	0	0	---	---	18
19	---	---	0.562B	0.059	0.047	0.015	0	0	0	0	---	---	19
20	---	---	0.389	0.055	0.047	0.014	0	0	0	0	---	---	20
21	---	---	1.02	0.053	0.054	0.013	0	0	0	0	---	---	21
22	---	---	0.651	0.053	0.049	0.011	0	0	0	0	---	---	22
23	---	0.001B	0.448	0.051	0.038	0.010	0	0	0	0	---	---	23
24	---	0.009B	0.296	0.049	0.041	0.008	0	0	0	0	---	---	24
25	---	0.009B	0.381	0.049	0.092	0.007	0	0	0	0	---	---	25
26	---	0.009B	0.314	0.048	0.140	0.006	0	0	0	0	---	---	26
27	---	0.005B	0.218	0.032	0.168	0.004	0	0	0	0	---	---	27
28	---	0.006B	0.193	0.021	0.141	0.004	0	0	0	0	---	---	28
29	---		0.174	0.017	0.099	0.002	0	0	0	0	---	---	29
30	---		0.143	0.044	0.071	0.001	0	0	0	0	---	---	30
31	---		0.119		0.064		0	0		0	---	---	31
TOTAL	---	---	22.980	2.013	3.392	0.541	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.741	0.067	0.109	0.018	0	0	0	0	---	---	MEAN
MAX	---	---	3.11	0.127	0.836	0.053	0	0	0	0	---	---	MAX
MIN	---	---	0.017	0.017	0.015	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.118
MAXIMUM DAILY, 3.11B ON MAR 07
MINIMUM DAILY, 0 ON JUL 01
MAXIMUM INSTANTANEOUS,
3.96B AT 23:47 CST ON MAR 06

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 42 N
LONG 109 48 57 W
DRAINAGE AREA, 655 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 990	SEP	0
APR	174	OCT	0
MAY	293	NOV	---
JUN	46.7	DEC	---

TOTAL DISCHARGE, 2 500 dam³

MIDDLE CREEK RESERVOIR - STATION NO. 11AB080

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	--- 1	027.655 1	027.296 1	027.541 1	027.392 1	027.274	---	---	---	---	1
2	---	---	1 026.686E1	027.671 1	027.286 1	027.525 1	027.389 1	027.263	---	---	---	---	2
3	---	---	1 026.828E1	027.669 1	027.291 1	027.530 1	027.441 1	027.260	---	---	---	---	3
4	---	---	1 026.960E1	027.677 1	027.277 1	027.565 1	027.378 1	027.256	---	---	---	---	4
5	---	---	1 027.070E1	027.694 1	027.293 1	027.520 1	027.368 1	027.257	---	---	---	---	5
6	---	---	1 027.164A1	027.695 1	027.299 1	027.518 1	027.386 1	027.250	---	---	---	---	6
7	---	---	1 027.248 1	027.697 1	027.273 1	027.521 1	027.378 1	027.237	---	---	---	---	7
8	---	---	1 027.353 1	027.686 1	027.237 1	027.516 1	027.384 1	027.223	---	---	---	---	8
9	---	---	1 027.392 1	027.683 1	027.252 1	027.508 1	027.389 1	027.220	---	---	---	---	9
10	---	---	1 027.440 1	027.673 1	027.223 1	027.503 1	027.360 1	027.208	---	---	---	---	10
11	---	---	1 027.478 1	027.648 1	027.225 1	027.509 1	027.358 1	027.197	---	---	---	---	11
12	---	---	1 027.525 1	027.621 1	027.207 1	027.512 1	027.350 1	027.207	---	---	---	---	12
13	---	---	1 027.553 1	027.601 1	027.217 1	027.471 1	027.329 1	027.190	---	---	---	---	13
14	---	---	1 027.578 1	027.574 1	027.206 1	027.472 1	027.298 1	027.196	---	---	---	---	14
15	---	---	1 027.590 1	027.539 1	027.173 1	027.474 1	027.323 1	027.188	---	---	---	---	15
16	---	---	1 027.596 1	027.523 1	027.189 1	027.471 1	027.311 1	027.180	---	---	---	---	16
17	---	---	1 027.602 1	027.506 1	027.185 1	027.468 1	027.299 1	027.181	---	---	---	---	17
18	---	---	1 027.608 1	027.482 1	027.184 1	027.464 1	027.306 1	027.186	---	---	---	---	18
19	---	---	1 027.612 1	027.458 1	027.172 1	027.455 1	027.292 1	027.173	---	---	---	---	19
20	---	---	1 027.621 1	027.436 1	027.170 1	027.445 1	027.298 1	027.173	---	---	---	---	20
21	---	---	1 027.614 1	027.411 1	027.210 1	027.445 1	027.299 1	027.186	---	---	---	---	21
22	---	---	1 027.627 1	027.398 1	027.178 1	027.444 1	027.298 1	027.186	---	---	---	---	22
23	---	---	1 027.654 1	027.376 1	027.174 1	027.436 1	027.291 1	027.169	---	---	---	---	23
24	---	---	1 027.661 1	027.354 1	027.167 1	027.433 1	027.280 1	027.164	---	---	---	---	24
25	---	---	1 027.662 1	027.341 1	027.221 1	027.421 1	027.271 1	027.168	---	---	---	---	25
26	---	---	1 027.661 1	027.306 1	027.401 1	027.418 1	027.292 1	027.160	---	---	---	---	26
27	---	---	1 027.659 1	027.300 1	027.493 1	027.414 1	027.294 1	027.171	---	---	---	---	27
28	---	---	1 027.662 1	027.245 1	027.511 1	027.411 1	027.286 1	027.161	---	---	---	---	28
29	---		1 027.657 1	027.292 1	027.527 1	027.410 1	027.287 1	027.164	---	---	---	---	29
30	---		1 027.653 1	027.293 1	027.539 1	027.402 1	027.281 1	027.163	---	---	---	---	30
31	---		1 027.641		027.536		1 027.276 1	027.158		---	---	---	31
MEAN	---	---	---	1 027.517 1	027.278 1	027.477 1	027.329 1	027.199	---	---	---	---	MEAN
MAX	---	---	---	1 027.697 1	027.539 1	027.589 1	027.441 1	027.274	---	---	---	---	MAX
MIN	---	---	---	1 027.245 1	027.167 1	027.402 1	027.271 1	027.158	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1 027.697 ON APR 07

MAXIMUM INSTANTANEOUS,
1 027.721 AT 16:16 CST ON APR 02

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY .084 m ADJUSTMENT TO CONVERT TO RECLAMATION SERVICE OF CANADA DATUM

REMARKS - THE RESERVOIR WAS ESSENTIALLY EMPTY AFTER AUGUST 31

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 22 N
LONG 109 59 02 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
370 km²

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 01
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.000 AT 00:01 CST ON MAR 01

LOCATION - LAT 49 23 04 N
LONG 109 59 28 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	0	0	0	0	0	0	0	0	0	---	---	25
26	---	0	0	0	0	0	0	0	0	0	---	---	26
27	---	0	0	0	0	0	0	0	0	0	---	---	27
28	---	0	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 01
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.000 AT 00:01 CST ON MAR 01

LOCATION - LAT 49 23 02 N
LONG 109 59 55 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0 B	1.99	0.058	0	0.070	0	0	---	---	1
2	---	---	OB	3.67B	1.98	0.032	0	0.013	0	0	---	---	2
3	---	---	OB	5.39B	1.92	0.004	0	0.002	0	0	---	---	3
4	---	---	OB	6.48B	1.88	0	0	0.001	0	0	---	---	4
5	---	---	OB	3.97B	1.79	0	0	0	0	0	---	---	5
6	---	---	OB	3.13B	1.74	0	0	0	0	0	---	---	6
7	---	---	OB	7.15B	1.69	0	0	0	0	0	---	---	7
8	---	---	OB	7.97	1.58	0	0	0	0	0	---	---	8
9	---	---	OB	6.94	1.48	0	0	0	0	0	---	---	9
10	---	---	OB	6.07E	1.49	0	0	0	0	0	---	---	10
11	---	---	OB	4.91A	1.98	0.003	0	0	0	0	---	---	11
12	---	---	OB	2.20	2.84	0.009	0	0	0	0	---	---	12
13	---	---	OB	1.64	2.88	0.003	0	0	0	0	---	---	13
14	---	---	OB	2.19	2.78	0	0	0	0	0	---	---	14
15	---	---	OB	3.13	2.76	0	0	0	0	0	---	---	15
16	---	---	OB	4.21	2.70	0	0	0	0	0	---	---	16
17	---	---	OB	3.88	2.45	0	0	0	0	0	---	---	17
18	---	---	OB	3.61	2.49	0	0	0	0	0	---	---	18
19	---	---	OB	3.29	2.79	0	0	0	0	0	---	---	19
20	---	---	OB	3.08	2.83	0.001	0	0	0	0	---	---	20
21	---	---	OB	2.94	2.72	0.010	0	0	0	0	---	---	21
22	---	---	OB	2.87	2.80	0.020	0	0	0	0	---	---	22
23	---	---	OB	2.69	2.00	0.011	0	0	0	0	---	---	23
24	---	---	OB	2.51	0.504	0.004	0	0	0	0	---	---	24
25	---	---	OB	2.32	0.370	0.002	0	0	0	0	---	---	25
26	---	---	OB	2.25	0.326	0.001	0	0	0	0	---	---	26
27	---	---	OB	2.09	0.274	0	0	0	0	0	---	---	27
28	---	---	OB	2.02	0.162	0	0	0	0	0	---	---	28
29	---	---	OB	1.99	0.140	0	0	0	0	0	---	---	29
30	---		OB	1.95	0.140	0	0	0	0	0	---	---	30
31	---		OB		0.086		0.052	0		0		---	31
TOTAL	---	---	0	106.54	53.562	0.158	0.052	0.086	0	0	---	---	TOTAL
MEAN	---	---	0	3.55	1.73	0.005	0.002	0.003	0	0	---	---	MEAN
MAX	---	---	0	7.97	2.88	0.058	0.052	0.070	0	0	---	---	MAX
MIN	---	---	0	0	0.086	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.655
MAXIMUM DAILY, 7.97 ON APR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
8.48 AT 03:14 CST ON APR 08

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 25 N
LONG 103 46 37 W
DRAINAGE AREA, 1 430 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1986

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.49
FEB	---	AUG	7.43
MAR	0	SEP	0
APR	9 210	OCT	0
MAY	4 630	NOV	---
JUN	13.7	DEC	---

TOTAL DISCHARGE, 13 900 dam³

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 05EF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.209B	1.20 B	0.802	0.293	0.240	0.183	0.051	0.077	0.194A	---	1
2	---	---	0.210B	1.70 B	0.704	0.297	0.241	0.181	0.063	0.084	---	---	2
3	---	---	0.211B	2.15 B	0.799	0.290	0.553	0.173	0.083	0.102	---	---	3
4	---	---	0.212E	2.87 B	0.719	0.358	0.608	0.176	0.039	0.116	---	---	4
5	---	---	0.214B	2.28 B	0.620	0.348	0.539	0.185	0.035	0.134	---	---	5
6	---	---	0.216B	1.90 B	0.516	0.263	0.520	0.133	0.065	0.142	---	---	6
7	---	---	0.219B	1.50 B	0.475	0.240	0.464	0.139	0.046	0.162	---	---	7
8	---	---	0.222B	1.10 B	0.542	0.220	0.355	0.187	0.045	0.172	---	---	8
9	---	---	0.225B	0.950	0.511	0.243	0.375	0.136	0.056	0.189	---	---	9
10	---	---	0.228B	0.800	0.444	0.226	0.220	0.106	0.047	0.201	---	---	10
11	---	---	0.232B	0.693A	0.386	0.235	0.213	0.130	0.049	0.190	---	---	11
12	---	---	0.235B	0.886	0.348	0.253	0.238	0.101	0.033	0.202	---	---	12
13	---	---	0.239B	0.732	0.346	0.314	0.236	0.098	0.028	0.197	---	---	13
14	---	---	0.242B	0.695	0.427	0.317	0.205	0.087	0.030	0.182	---	---	14
15	---	---	0.248B	0.704	0.390	0.306	0.192	0.088	0.031	0.210	---	---	15
16	---	---	0.252B	0.639	0.382	0.270	0.307	0.104	0.032	0.209	---	---	16
17	---	---	0.258B	0.648	0.364	0.235	0.268	0.108	0.031	0.202	---	---	17
18	---	---	0.262B	0.713	0.337	0.236	0.245	0.124	0.030	0.195	---	---	18
19	---	---	0.270B	0.678	0.468	0.226	0.225	0.117	0.023	0.188	---	---	19
20	---	---	0.280B	0.897	0.398	0.232	0.267	0.132	0.027	0.178	---	---	20
21	---	---	0.290B	0.890	0.288	0.224	0.236	0.119	0.024	0.198	---	---	21
22	---	---	0.300B	0.864	0.314	0.247	0.204	0.105	0.026	0.192	---	---	22
23	---	---	0.312B	0.946	0.380	0.239	0.189	0.097	0.038	0.184	---	---	23
24	---	---	0.327B	0.944	0.389	0.235	0.215	0.111	0.049	0.178	---	---	24
25	---	---	0.340B	0.895	0.440	0.220	0.212	0.100	0.056	0.188	---	---	25
26	---	0.209B	0.358B	0.926	0.339	0.234	0.222	0.102	0.065	0.185	---	---	26
27	---	0.209B	0.400B	0.927	0.342	0.234	0.197	0.098	0.050	0.187	---	---	27
28	---	0.209B	0.440B	0.872	0.357	0.237	0.185	0.099	0.050	0.189	---	---	28
29	---		0.488B	0.821	0.341	0.251	0.159	0.091	0.078	0.169	---	---	29
30	---		0.700B	0.772	0.280	0.222	0.127	0.113	0.082	0.171	---	---	30
31	---		0.867B		0.294		0.139	0.132		0.179		---	31
TOTAL	---	---	9.506	32.592	13.742	7.745	8.496	3.855	1.362	5.352	---	---	TOTAL
MEAN	---	---	0.307	1.09	0.443	0.258	0.274	0.124	0.045	0.173	---	---	MEAN
MAX	---	---	0.867	2.87	0.802	0.358	0.608	0.187	0.083	0.210	---	---	MAX
MIN	---	---	0.209	0.639	0.280	0.220	0.127	0.087	0.023	0.077	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.337
MAXIMUM DAILY, 2.87B ON APR 04
MINIMUM DAILY, 0.023 ON SEP 19
MAXIMUM INSTANTANEOUS,
4.27B AT 12:31 CST ON APR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 28 N
LONG 109 31 30 W
DRAINAGE AREA, 875 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	734
FEB	---	AUG	333
MAR	821	SEP	118
APR	2 820	OCT	462
MAY	1 190	NOV	---
JUN	669	DEC	---

TOTAL DISCHARGE, 7 150 dam³

MONTREAL LAKE NEAR WEYAKWIN - STATION NO. 06CA006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	490.252	490.272	490.290	490.289	490.366	490.406	490.491A	490.493	490.386	490.287	490.257	490.318	1
2	490.248	490.275	490.291	490.290	490.366	490.406	490.474A	490.479	490.372	490.290	490.280	490.319	2
3	490.249	490.277	490.293	490.290	490.368	490.428	490.461A	490.477	490.362	490.268	490.293	490.318	3
4	490.249	490.275	490.294	490.289	490.371	490.429	490.473A	490.490	490.379	490.266	490.295	490.294	4
5	490.249	490.273	490.296	490.290	490.374	490.421	490.499A	490.491	490.350	490.260	490.294	490.320E	5
6	490.253	490.272	490.295	490.291	490.372	490.413	490.516A	490.492	490.357	490.271	490.293	490.325E	6
7	490.250	490.273	490.292	490.292	490.377	490.424	490.517A	490.469	490.352	490.282	490.295	490.330A	7
8	490.253	490.273	490.293	490.287	490.387	490.431	490.509A	490.456	490.331	490.288	490.296	490.332	8
9	490.255	490.274	490.294	490.290	490.392	490.427	490.475A	490.460	490.339	490.295	490.294	490.327	9
10	490.252	490.276	490.295	490.289	490.395	490.429	490.503A	490.463	490.346	490.258	490.288	490.330	10
11	490.253	490.277	490.295	490.291	490.396	490.475	490.527A	490.457	490.328	490.249	490.288A	490.330	11
12	490.253	490.286	490.295	490.295	490.398	490.473	490.543A	490.463	490.343	490.294	490.290E	490.331	12
13	490.254	490.290	490.297	490.297	490.400	490.423	490.535A	490.431	490.334	490.282	490.291E	490.319	13
14	490.258	490.291	490.298	490.301	490.403	490.459	490.514A	490.441	490.331	490.269	490.293E	490.322	14
15	490.260	490.287	490.298	490.304	490.406	490.473	490.496A	490.444	490.336	490.273	490.294E	490.329	15
16	490.254	490.286	490.300	490.305	490.409	490.471	490.469A	490.436	490.354	490.267	490.296E	490.325	16
17	490.257	490.291	490.296	490.306	490.410	490.482	490.452	490.439	490.332	490.285	490.297E	490.318	17
18	490.258	490.295	490.297	490.307	490.411	490.489	490.452	490.447	490.304	490.303	490.299E	490.325	18
19	490.260	490.295	490.298	490.309	490.414	490.481A	490.446	490.431	490.310	490.273	490.300E	490.326	19
20	490.264	490.290	490.295	490.308	490.418	490.462A	490.445	490.435	490.296	490.279	490.301E	490.325	20
21	490.260	490.287	490.300	490.309	490.421	490.479A	490.456	490.426	490.301	490.281	490.303E	490.327	21
22	490.262	490.285	490.300	490.311	490.427	490.507A	490.458	490.434	490.314	490.289	490.304E	490.329	22
23	490.264	490.286	490.301	490.316	490.434	490.517A	490.460	490.441	490.313	490.266	490.[illegible]E	490.321	23
24	490.265	490.288	490.305	490.323	490.432	490.513A	490.448	490.398	490.306	490.293	490.[illegible]E	490.324	24
25	490.269	490.293	490.301	490.328	490.434	490.501A	490.456	490.396	490.305	490.281	490.308E	490.327	25
26	490.270	490.292	490.299	490.333	490.434	490.487A	490.453	490.401	490.279	490.261	490.310E	490.327	26
27	490.269	490.292	490.301	490.334	490.432	490.503A	490.475	490.394	490.288	490.275	490.312E	490.311	27
28	490.269	490.296	490.301	490.338	490.436	490.504A	490.455	490.389	490.297	490.295	490.313E	490.321	28
29	490.269		490.300	490.356	490.437	490.492A	490.483	490.388	490.334	490.281	490.315A	490.323	29
30	490.271		490.293	490.363	490.444	490.497A	490.498	490.388	490.283	490.273	490.315	490.323	30
31	490.272		490.290		490.435		490.499	490.355		490.266		490.325	31
MEAN	490.259	490.284	490.296	490.308	490.406	490.463	490.482	490.438	490.329	490.277	490.297	490.323	MEAN
MAX	490.272	490.296	490.305	490.363	490.444	490.517	490.543	490.493	490.386	490.303	490.315	490.332	MAX
MIN	490.248	490.272	490.290	490.287	490.366	490.406	490.445	490.355	490.279	490.249	490.257	490.294	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 490.347
MAXIMUM DAILY, 490.543A ON JUL 12
MINIMUM DAILY, 490.248 ON JAN 02
MAXIMUM INSTANTANEOUS,
490.561 AT 03:29 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 24 35 N
LONG 105 43 25 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
5 330 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 06CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.026B	0.399B	0.575B	0.716B	1.41B	5.05	5.76	6.51	3.00	1.28	0.364	1.39 B	1
2	0.035B	0.561B	0.664B	0.609B	1.38B	2.92	5.20	5.57	3.58	1.64	0.278B	1.06 B	2
3	0.122B	0.574B	0.796B	0.612B	2.32B	6.42	4.55	3.99	2.63	0.982	0.977B	1.63 B	3
4	0.149B	0.480B	0.628B	0.521B	3.49B	7.92	3.70	6.16	3.75	0.429	1.57 B	2.08 B	4
5	0.085B	0.476B	0.412B	0.439B	5.45B	5.67	9.05	6.69	3.49	0.108	1.43 B	1.97 B	5
6	0.107B	0.468B	0.716B	0.411B	7.34B	4.92	8.71	6.96	1.85	0.151	1.36 B	1.86 B	6
7	0.244B	0.456B	0.988B	0.532B	9.57B	6.48	7.72	5.57	4.78	0.551	1.75 B	1.97 B	7
8	0.315B	0.425B	0.727B	0.505B	8.88B	7.64	7.14	4.44	1.12	1.30	1.58 B	1.87 B	8
9	0.305B	0.387B	0.666B	0.382B	5.74	5.91	8.12	4.40	2.11	3.64	1.73 B	1.44 B	9
10	0.296B	0.392B	0.758B	0.348B	4.90	7.48	9.18	5.13	2.55	1.35	1.81 B	0.986B	10
11	0.338B	0.455B	0.751B	0.658B	4.51	9.45	8.87	4.79	2.15	0.362	2.03 B	1.32 B	11
12	0.238B	0.503B	0.829B	0.615B	4.93	10.8	10.7	5.72	2.33	0.789	2.09 B	0.733B	12
13	0.180B	0.445B	0.903B	0.578B	6.01	3.10	10.2	4.48	2.02	1.29	2.19 B	1.25 B	13
14	0.152B	0.435B	0.952B	0.577B	5.81	6.59	6.65	3.22	1.84	1.03	2.11 B	1.63 B	14
15	0.164B	0.408B	0.898B	0.671B	5.44	10.6	5.37	4.64	1.89	0.638	2.43 B	1.74 B	15
16	0.271B	0.405B	0.703B	0.567B	4.79	11.4	5.55	4.13	4.66	0.766	2.33 B	0.901B	16
17	0.304B	0.392B	0.627B	0.576B	6.98	9.01	4.99	4.44	4.97	0.879	2.15 B	0.956B	17
18	0.386B	0.415B	0.626B	0.730B	6.48	7.84	4.88	5.40	1.64	2.06	2.19 B	1.20 B	18
19	0.410B	0.437B	0.973B	0.760B	5.50	6.06	4.35	5.31	1.30	1.28	2.27 B	0.579B	19
20	0.361B	0.509B	0.895B	0.780B	6.95	5.58	3.98	5.51	1.82	0.732	1.41 B	1.45 B	20
21	0.362B	0.527B	0.517B	1.00 B	6.85	4.86	5.37	5.60	1.24	1.08	1.64 B	1.41 B	21
22	0.283B	0.521B	0.726B	0.765B	6.96	7.72	5.43	5.61	1.70	0.867	2.79 B	1.70 B	22
23	0.290B	0.487B	0.666B	0.658B	9.35	10.1	6.13	4.46	3.18	0.974	2.50 B	2.12 B	23
24	0.329B	0.410B	0.542B	0.513B	9.71	5.83	4.46	3.53	2.07	1.13	1.80 B	1.38 B	24
25	0.339B	0.380B	0.650B	0.363B	9.82	5.89	5.03	3.15	1.97	1.17	2.21 B	0.748B	25
26	0.353B	0.397B	0.629B	0.588B	7.77	6.67	5.37	3.60	1.20	0.691	2.22 B	1.19 B	26
27	0.347B	0.468B	0.715B	0.719B	6.67	6.57	5.29	4.63	0.597	0.556	2.08 B	1.52 B	27
28	0.406B	0.560B	0.747B	0.835B	7.22	6.48	3.69	3.72	0.630	1.29	1.80 B	1.58 B	28
29	0.495B		0.735B	0.728B	8.89	6.50	4.24	3.54	6.93	1.73	1.63 B	0.455B	29
30	0.401B		0.867B	2.28 B	9.84	7.64	4.87	3.74	2.63	1.46	1.26 B	0.584B	30
31	0.362B		0.825B		8.44		7.55	2.66		0.701		1.32 B	31
TOTAL	8.455	12.772	22.706	20.116	199.40	209.10	194.09	147.40	76.627	32.906	53.979	42.022	TOTAL
MEAN	0.273	0.456	0.733	0.671	6.43	6.97	6.26	4.75	2.55	1.06	1.80	1.36	MEAN
MAX	0.495	0.574	0.988	2.28	9.84	11.4	10.7	6.96	6.93	1.64	2.79	2.12	MAX
MIN	0.026	0.380	0.412	0.348	1.38	2.92	3.60	2.66	0.597	0.108	0.278	0.455	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.79
MAXIMUM DAILY, 11.4 ON JUN 16
MINIMUM DAILY, 0.026B ON JAN 01
MAXIMUM INSTANTANEOUS,
17.2 AT 19:21 CST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 42 50 N
LONG 105 41 48 W
DRAINAGE AREA, 5 450 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	731	JUL 16	800
FEB 1	100	AUG 12	700
MAR 1	960	SEP 6	620
APR 1	740	OCT 2	840
MAY 17	200	NOV 4	660
JUN 18	100	DEC 3	630

TOTAL DISCHARGE, 88 100 dam³

REMARKS - THE PEAK DISCHARGE WAS LIKELY DUE TO WIND SETUP ON MONTREAL LAKE

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. 06CA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.74	2.55	1.70	1.22	3.75	10.1	7.12	8.92	6.83	5.62	5.49	5.87	1
2	3.87	2.49	1.66	1.21	3.82	10.4	6.34	9.16	6.76	5.16	5.61	5.78	2
3	3.86	2.47	1.60	1.30	3.89	10.8	7.37	9.08	7.03	6.43	5.61	5.73	3
4	3.84	2.42	1.55	1.32	3.94	10.9	7.78	8.92	7.13	6.66	5.67	5.84	4
5	3.81	2.38	1.50	1.32	4.09	11.1	7.71	8.73	6.85	6.44	5.80	5.97	5
6	3.83	2.34	1.46	1.34	4.08	11.0	7.67	8.71	6.60	6.55	5.79	6.03	6
7	3.82	2.31	1.40	1.38	4.40	10.6	7.74	8.85	6.98	6.47	5.84	6.22	7
8	3.79	2.29	1.38	1.39	5.05	10.5	7.46	8.61	6.59	6.27	5.90	6.33	8
9	3.73	2.29	1.43	1.40	5.41	9.85	7.21	8.20	6.73	6.33	5.85	6.33	9
10	3.71	2.26	1.35	1.42	5.77	9.84	7.36	8.12	6.58	6.49	5.81	6.14	10
11	3.66	2.22	1.30	1.37	6.08	10.4	7.46	7.99	6.26	6.80	5.82	6.11	11
12	3.56	2.28	1.35	1.36	6.42	9.46	7.44	8.01	6.19	6.17	5.77	6.08	12
13	3.50	2.26	1.37	1.29	6.69	9.79	7.38	8.47	6.37	6.33	5.71	5.99	13
14	3.44	2.20	1.33	1.31	6.93	10.4	7.74	8.44	6.47	6.67	5.82	5.96	14
15	3.37	2.20	1.31	1.38	7.26	10.4	7.35	8.19	6.39	6.52	6.08	5.86	15
16	3.36	2.15	1.34	1.38	7.60	9.88	7.02	7.89	6.36	6.42	6.08A	6.02	16
17	3.25	2.09	1.34	1.35	7.85	9.92	7.02	7.69	6.63	6.24	6.05E	6.03	17
18	3.17	2.05	1.26	1.37	8.12	9.84	7.13	7.61	6.68	6.02	6.02E	5.97	18
19	3.11	2.00	1.23	1.37	8.45	9.84	7.01	7.42	6.35	5.84	6.00E	6.03	19
20	3.06	1.94	1.31A	1.40	8.50	9.57	6.79	7.51	6.40	5.89	5.98E	6.04	20
21	3.03	1.90	1.31E	1.47	8.89	8.91	6.73	7.28	6.45	5.93	5.96E	6.04	21
22	3.04	1.88	1.30E	1.61	9.32	8.98	6.63	7.45	6.43	5.78	5.94E	5.83	22
23	3.02	1.85	1.29E	1.75	9.38	8.54	6.63	7.53	6.33	5.90	5.92E	5.64	23
24	2.98	1.81	1.28E	1.92	9.30	8.44	6.11	7.38	6.41	5.84	5.90E	5.82	24
25	2.92	1.85	1.27E	2.19	9.53	8.19	5.79	7.13	6.52	5.72	5.88E	5.67	25
26	2.93	1.83	1.26E	2.62	9.97	7.79	5.74	6.94	6.65	5.79	5.87E	5.67	26
27	2.88	1.77	1.25E	2.75	9.60	7.85	6.56	7.08	6.32	5.89	5.86E	5.50	27
28	2.75	1.75	1.24E	3.03	9.32	7.90	8.68	6.90	6.04	5.73	5.86A	5.37	28
29	2.72		1.23E	3.48	9.78	7.66	8.76	6.86	5.96	5.82	5.97	5.25	29
30	2.68		1.23E	3.73	10.4	7.76	9.13	6.67	5.82	5.61	6.09	5.24	30
31	2.63		1.22E		10.8		8.93	6.70		5.50		5.17	31
TOTAL	103.07	59.83	42.05	51.43	224.39	286.61	225.79	244.44	195.11	188.83	175.95	181.53	TOTAL
MEAN	3.32	2.14	1.36	1.71	7.24	9.55	7.28	7.89	6.50	6.09	5.87	5.86	MEAN
MAX	3.87	2.55	1.70	1.73	10.8	11.1	9.13	9.16	7.13	6.80	6.09	6.33	MAX
MIN	2.63	1.75	1.22	1.21	3.75	7.66	5.74	6.67	5.82	5.16	5.49	5.17	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.42
MAXIMUM DAILY, 11.1 ON JUN 05
MINIMUM DAILY, 1.21 ON APR 02
MAXIMUM INSTANTANEOUS,
11.7 AT 23:45 CST ON JUN 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 105 21 46 W
DRAINAGE AREA, 7 280 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 910	JUL	19 500
FEB	5 170	AUG	21 100
MAR	3 630	SEP	16 900
APR	4 440	OCT	16 300
MAY	19 400	NOV	15 200
JUN	24 800	DEC	15 700

TOTAL DISCHARGE, 171 000 dam³

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.003	0.007	0	0.158	0.001	0	---	---	1
2	---	---	0B	0 B	0.004	0.008	0	0.174	0.002	0	---	---	2
3	---	---	0B	0 B	0.004	0.006	0	0.114	0.002	0	---	---	3
4	---	---	0B	0 B	0.002	0.004	0	0.034	0.001	0	---	---	4
5	---	---	0B	0 B	0.002	0.003	0	0.016	0.001	0	---	---	5
6	---	---	0B	0	0.001	0.002	0	0.023	0	0	---	---	6
7	---	---	0B	0	0	0.002	0	0.013	0	0	---	---	7
8	---	---	0B	0.011	0.001	0.003	0	0.005	0	0	---	---	8
9	---	---	0B	0.014	0.001	0.004	0.035	0	0	0	---	---	9
10	---	---	0B	0.014	0	0.005	0.194	0	0	0	---	---	10
11	---	---	0B	0.014	0.002	0.008	0.202	0	0	0	---	---	11
12	---	---	0B	0.014	0.002	0.011	0.516	0	0	0	---	---	12
13	---	---	0B	0.013	0.001	0.013	0.431	0	0	0	---	---	13
14	---	---	0B	0.012	0	0.017	0.289	0	0	0	---	---	14
15	---	---	0B	0.010	0	0.019	0.109	0	0	0	---	---	15
16	---	---	0B	0.009	0	0.020	0.010	0	0	0	---	---	16
17	---	---	0B	0.008	0	0.021	0.009	0	0	0	---	---	17
18	---	---	0B	0.006	0.003	0.023	0	0	0	0	---	---	18
19	---	---	0B	0.003	0.005	0.025	0	0	0	0	---	---	19
20	---	---	0B	0.001	0.005	0.023	0	0	0	0	---	---	20
21	---	---	0B	0	0.006	0.019	0	0	0	0	---	---	21
22	---	---	0B	0	0.007	0.015	0	0	0	0	---	---	22
23	---	---	0B	0	0.007	0.011	0	0	0	0	---	---	23
24	---	---	0B	0	0.005	0.007	0	0	0	0	---	---	24
25	---	---	0B	0	0.006	0.004	0	0	0	0	---	---	25
26	---	---	0B	0	0.008	0.002	0	0	0	0	---	---	26
27	---	---	0B	0	0.013	0	0.773	0	0	0.005	---	---	27
28	---	---	0B	0	0.015	0	2.03	0	0	0.028	---	---	28
29	---	---	0B	0.001	0.012	0	0.984	0.001	0	0.041	---	---	29
30	---		0B	0.001	0.007	0	0.537	0.001	0	0.051	---	---	30
31	---		0B		0.005		0.217	0.002		0.061A		---	31
TOTAL	---	---	0	0.131	0.127	0.282	6.356	0.541	0.007	0.186	---	---	TOTAL
MEAN	---	---	0	0.004	0.004	0.009	0.205	0.018	0	0.006	---	---	MEAN
MAX	---	---	0	0.014	0.015	0.025	2.03	0.174	0.002	0.061	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.031
MAXIMUM DAILY, 2.03 ON JUL 28
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.34 AT 22:46 CST ON JUL 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 20 46 N
LONG 105 31 49 W
DRAINAGE AREA, 5 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	549
FEB	---	AUG	46.7
MAR	0	SEP	0.605
APR	11.3	OCT	16.1
MAY	11.0	NOV	---
JUN	24.4	DEC	---

TOTAL DISCHARGE, 659 dam³

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.010B	0.009B	0.006B	0.020B	0.003	0.003	0.001	0.349	0.006	0.002	0.001	0.002B	1
2	0.010B	0.009B	0.006B	0.019B	0.003	0.004	0.001	0.164	0.005	0.002	0.001	0.002B	2
3	0.010B	0.009B	0.006B	0.018B	0.003	0.005	0	0.139	0.005	0.002	0.001	0.002B	3
4	0.010B	0.009B	0.005B	0.017B	0.003	0.005	0.001	0.217	0.005	0.002	0.001	0.075B	4
5	0.010B	0.009B	0.005B	0.015	0.003	0.005	0.001	0.381	0.005	0.002	0.001	0.030B	5
6	0.010B	0.009B	0.005B	0.013	0.003	0.004	0.001	0.476	0.005	0.002	0.001	0.030B	6
7	0.010B	0.009B	0.006B	0.011	0.003	0.004	0.053	0.483	0.005	0.002	0.001	0.030B	7
8	0.010B	0.009B	0.006B	0.010	0.003	0.003	0.185	0.443	0.005	0.002	0.001	0.030B	8
9	0.009B	0.009B	0.007B	0.008	0.003	0.003	0.138	0.462	0.004	0.002	0.001	0.031B	9
10	0.009B	0.009B	0.007B	0.007	0.003	0.003	0.134	0.516	0.004	0.002	0.001	0.031B	10
11	0.009B	0.008B	0.007B	0.007	0.003	0.003	0.150	0.514	0.004	0.002	0.002	0.031B	11
12	0.009B	0.008B	0.008B	0.007	0.003	0.003	0.144	0.472	0.004	0.002	0.002	0.034B	12
13	0.009B	0.008B	0.009B	0.007	0.003	0.002	0.170	0.406	0.004	0.002	0.002	0.034B	13
14	0.009B	0.008B	0.010B	0.006	0.003	0.002	0.216	0.358	0.004	0.001	0.002	0.034B	14
15	0.009B	0.008B	0.011B	0.006	0.004	0.002	0.518	0.297	0.004	0.001	0.002	0.033B	15
16	0.009B	0.008B	0.011B	0.006	0.005	0.002	0.418	0.231	0.003	0.001	0.002	0.032B	16
17	0.009B	0.008B	0.012B	0.006	0.005	0.002	0.299	0.177	0.003	0.001	0.002	0.032B	17
18	0.009B	0.008B	0.013B	0.006	0.005	0.002	0.204	0.155	0.003	0.001	0.002	0.030B	18
19	0.009B	0.008B	0.014B	0.005	0.005	0.002	0.146	0.124	0.003	0.001	0.002	0.027B	19
20	0.009B	0.008B	0.015B	0.005	0.005	0.002	0.096	0.101	0.003	0.001	0.002	0.025B	20
21	0.009B	0.008B	0.016B	0.005	0.005	0.002	0.091	0.067	0.003	0.001	0.002B	0.022B	21
22	0.009B	0.008B	0.017B	0.005	0.005	0.002	0.114	0.061	0.002	0.001	0.002B	0.020B	22
23	0.009B	0.008B	0.018B	0.004	0.005	0.002	0.102	0.026	0.002	0.001	0.002B	0.017B	23
24	0.009B	0.008B	0.019B	0.004	0.004	0.002	0.090	0.006	0.002	0.001	0.002B	0.015B	24
25	0.009B	0.007B	0.020B	0.004	0.004	0.002	0.069	0.006	0.002	0.001	0.002B	0.013B	25
26	0.009B	0.007B	0.022B	0.004	0.004	0.002	0.181	0.006	0.002	0.001	0.002B	0.011B	26
27	0.009B	0.007B	0.024B	0.004	0.004	0.001	0.828	0.006	0.002	0.001	0.002B	0.009B	27
28	0.009B	0.007B	0.026B	0.004	0.004	0.001	2.02	0.006	0.002	0.001	0.002B	0.007B	28
29	0.009B		0.026B	0.003	0.003	0.001	2.86	0.006	0.002	0.001	0.002B	0.005B	29
30	0.009B		0.024B	0.003	0.003	0.001	1.29	0.006	0.002	0.001	0.002B	0.003B	30
31	0.009B		0.022B		0.003		0.616	0.006		0.001		0.002B	31
TOTAL	0.287	0.230	0.403	0.239	0.115	0.077	11.137	6.667	0.105	0.044	0.050	0.699	TOTA
MEAN	0.009	0.008	0.013	0.008	0.004	0.003	0.359	0.215	0.004	0.001	0.002	0.023	MEAN
MAX	0.010	0.009	0.026	0.020	0.005	0.005	2.86	0.516	0.006	0.002	0.002	0.075	MAX
MIN	0.009	0.007	0.005	0.003	0.003	0.001	0	0.006	0.002	0.001	0.001	0.002	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.055
MAXIMUM DAILY, 2.86 ON JUL 29
MINIMUM DAILY, 0 ON JUL 03
MAXIMUM INSTANTANEOUS,
3.95 AT 23:06 CST ON JUL 28

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 24 00 N
LONG 105 23 50 W
DRAINAGE AREA, 9 230 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	24.8	JUL	962
FEB	19.9	AUG	576
MAR	34.8	SEP	9.07
APR	20.6	OCT	3.80
MAY	9.94	NOV	4.32
JUN	6.65	DEC	60.4

TOTAL DISCHARGE, 1 730 dam³

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0.016	0	0	0	0	0	0	---	---	1
2	---	---	0	0.154	0	0	0	0	0	0	---	---	2
3	---	---	0	0.187	0	0	0	0	0	0	---	---	3
4	---	---	0	0.144	0	0	0	0	0	0	---	---	4
5	---	---	0	0.089	0	0	0	0	0	0	---	---	5
6	---	---	0	0.054	0	0	0	0	0	0	---	---	6
7	---	---	0	0.037	0	0	0	0	0	0	---	---	7
8	---	---	0	0.024	0	0	0	0	0	0	---	---	8
9	---	---	0	0.013	0	0	0	0	0	0	---	---	9
10	---	---	0	0.005	0	0	0	0	0	0	---	---	10
11	---	---	0	0.002	0	0	0	0	0	0	---	---	11
12	---	---	0	0.001	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0A	---	---	29
30	---		0	0	0	0	0	0	0	0E	---	---	30
31	---		0		0		0	0		0E		---	31
TOTAL	---	---	0	0.726	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.024	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0.187	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.187 ON APR 03
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.204 AT 02:52 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 51 N
LONG 104 28 57 W
DRAINAGE AREA, 875 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	62.7	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 62.7 dam³

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0	0.060E	0	0	0.154	0	0	---	---	1
2	---	---	0B	0	0.035E	0.001	0	0.139	0	0	---	---	2
3	---	---	0B	0.032	0.020E	0.007	0	0.105	0	0	---	---	3
4	---	---	0B	0.195	0.006A	0.003	0	0.069	0	0	---	---	4
5	---	---	0B	0.337	0.003E	0.001	0	0.054	0	0	---	---	5
6	---	---	0B	0.271	0.002E	0	0	0.054	0	0	---	---	6
7	---	---	0B	0.232	0.001E	0.030	0	0.044	0	0	---	---	7
8	---	---	0B	0.059	0.001E	0.054	0	0.035	0	0	---	---	8
9	---	---	0B	0.023	0.001E	0.039	0	0.022	0	0	---	---	9
10	---	---	0B	0.083	0 E	0.031	0.043	0.011	0	0	---	---	10
11	---	---	0B	0.041	0 E	0.024	0.103	0.005	0	0	---	---	11
12	---	---	0B	0.049	0 E	0.008	0.150	0.001	0	0	---	---	12
13	---	---	0B	0.034	0 E	0.001	0.158	0	0	0	---	---	13
14	---	---	0B	0.141	0 E	0	0.088	0	0	0	---	---	14
15	---	---	0B	0.353	0.040E	0	0.047	0	0	0	---	---	15
16	---	---	0B	1.35	0.025E	0	0.019	0	0	0	---	---	16
17	---	---	0B	0.339	0.018E	0	0.005	0	0	0	---	---	17
18	---	---	0B	0.172	0.008E	0	0.004	0	0	0	---	---	18
19	---	---	0B	0.107	0.006E	0	0.022	0	0	0	---	---	19
20	---	---	0B	0.071	0.005E	0	0.026	0	0	0	---	---	20
21	---	---	0B	0.060A	0.004E	0	0.035	0	0	0	---	---	21
22	---	---	0B	0.100E	0.003E	0	0.038	0	0	0	---	---	22
23	---	---	0B	0.280E	0.003E	0	0.061	0	0	0	---	---	23
24	---	---	0B	0.500E	0.002E	0	0.112	0	0	0	---	---	24
25	---	---	0B	0.830E	0.002E	0	0.128	0	0	0	---	---	25
26	---	---	0B	0.710E	0.002E	0	0.172	0	0	0	---	---	26
27	---	---	0B	0.450E	0.001E	0	0.198	0	0	0	---	---	27
28	---	---	0B	0.220E	0.001E	0	0.164	0	0	0	---	---	28
29	---	---	0B	0.150E	0.001E	0	0.138	0	0	0A	---	---	29
30	---		0B	0.090E	0.001E	0	0.132	0	0	0E	---	---	30
31	---		0B		0.001A		0.133	0		0E		---	31
TOTAL	---	---	0	7.279	0.252	0.199	1.976	0.693	0	0	---	---	TOTAL
MEAN	---	---	0	0.243	0.008	0.007	0.064	0.022	0	0	---	---	MEAN
MAX	---	---	0	1.35	0.060	0.054	0.198	0.154	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.042
MAXIMUM DAILY, 1.35 ON APR 16
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.87 AT 08:04 CST ON APR 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 29 N
LONG 104 59 08 W
DRAINAGE AREA, 2 990 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	171
FEB	---	AUG	59.9
MAR	0	SEP	0
APR	629	OCT	0
MAY	21.8	NOV	---
JUN	17.2	DEC	---

TOTAL DISCHARGE, 899 dam³

REMARKS - THE MAJOR FLOW PERIOD OF THE YEAR (IN APRIL) WAS NOT DEFINED BY DISCHARGE MEASUREMENT

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05NC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.628B	0.015	0.018	0.016	0.007	0.007	0.005	---	---	1
2	---	---	0 B	0.397	0.015	0.017	0.016	0.010	0.006	0.006	---	---	2
3	---	---	0 B	0.180	0.015	0.015	0.027	0.016	0.013	0.006	---	---	3
4	---	---	0 B	0.094	0.014	0.015	0.018	0.010	0.009	0.005	---	---	4
5	---	---	0 B	0.051	0.014	0.018	0.014	0.005	0.008	0.005	---	---	5
6	---	---	0 B	0.059	0.015	0.008	0.024	0.003	0.008	0.005	---	---	6
7	---	---	0 B	0.059	0.016	0.004	0.027	0.003	0.008	0.003	---	---	7
8	---	---	0 B	0.056	0.016	0.008	0.027	0.003	0.007	0.003	---	---	8
9	---	---	0.002B	0.055	0.016	0.011	0.028	0.002	0.008	0.002	---	---	9
10	---	---	0.139B	0.052	0.015	0.014	0.033	0.001	0.008	0.003	---	---	10
11	---	---	0.510B	0.044	0.014	0.024	0.038	0.002	0.006	0.004	---	---	11
12	---	---	0.388B	0.056	0.013	0.012	0.032	0.002	0.005	0.003	---	---	12
13	---	---	1.51 B	0.046	0.013	0.010	0.028	0.002	0.007	0.004	---	---	13
14	---	---	1.20 B	0.024	0.012	0.010	0.015	0.003	0.007	0.003	---	---	14
15	---	---	0.959B	0.026	0.012	0.009	0.015	0.002	0.006	0.002	---	---	15
16	---	---	0.614B	0.035	0.016	0.011	0.015	0.002	0.005	0.003	---	---	16
17	---	---	0.321B	0.035	0.012	0.018	0.016	0.002	0.004	0.004	---	---	17
18	---	---	0.196B	0.035	0.010	0.016	0.014	0.010	0.005	0.003	---	---	18
19	---	---	0.104B	0.036	0.011	0.016	0.014	0.008	0.005	0.005	---	---	19
20	---	---	0.077B	0.024	0.012	0.011	0.014	0.004	0.009	0.005	---	---	20
21	---	---	0.065B	0.027	0.017	0.010	0.014	0.004	0.008	0.005	---	---	21
22	---	---	0.045B	0.028	0.005	0.009	0.014	0.004	0.008	0.005	---	---	22
23	---	---	0.034B	0.031	0.012	0.007	0.013	0.004	0.007	0.005	---	---	23
24	---	---	0.006B	0.023	0.012	0.008	0.012	0.006	0.006	0.006	---	---	24
25	---	---	0.005B	0.032	0.012	0.007	0.009	0.009	0.005	0.007	---	---	25
26	---	---	0.005B	0.027	0.015	0.007	0.034	0.013	0.006	0.007	---	---	26
27	---	---	0.006B	0.021	0.014	0.011	0.034	0.017	0.005	0.004	---	---	27
28	---	---	0.006B	0.020	0.014	0.011	0.021	0.015	0.005	0.003	---	---	28
29	---	---	0.074B	0.018	0.013	0.011	0.008	0.012	0.006	0.004	---	---	29
30	---		1.66 B	0.016	0.007	0.006	0.002	0.010	0.006	0.004A	---	---	30
31	---		1.67 B		0.013		0.006	0.012		0.004E		---	31
TOTAL	---	---	9.596	2.235	0.410	0.352	0.598	0.203	0.203	0.133	---	---	TOTAL
MEAN	---	---	0.310	0.075	0.013	0.012	0.019	0.007	0.007	0.004	---	---	MEAN
MAX	---	---	1.67	0.628	0.017	0.024	0.038	0.017	0.013	0.007	---	---	MAX
MIN	---	---	0	0.016	0.005	0.004	0.002	0.001	0.004	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.056
MAXIMUM DAILY, 1.67B ON MAR 31
MINIMUM DAILY, 0B ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 23 N
LONG 103 00 54 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	51.7
FEB	---	AUG	17.5
MAR	829	SEP	17.5
APR	193	OCT	11.5
MAY	35.4	NOV	---
JUN	30.4	DEC	---

TOTAL DISCHARGE, 1 190 dam³

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO. 05ND004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.96 B	0.063	0	0	0.012	0	0	---	---	1
2	---	---	0 B	3.34	0.056	0.001	0	0.009	0	0	---	---	2
3	---	---	0 B	2.07	0.053	0.001	0	0.007	0	0	---	---	3
4	---	---	0 B	1.74	0.051	0	0	0.003	0	0	---	---	4
5	---	---	0 B	1.16	0.048	0.001	0.583	0.001	0	0	---	---	5
6	---	---	0 B	0.800	0.045	0	1.02	0	0	0	---	---	6
7	---	---	0 B	0.628	0.043	0	0.775	0	0	0	---	---	7
8	---	---	0 B	0.547	0.039	0	0.580	0	0	0	---	---	8
9	---	---	0 B	0.528	0.037	0	0.533	0	0	0	---	---	9
10	---	---	0 B	0.390	0.028	0	0.567	0	0	0	---	---	10
11	---	---	0 B	0.279	0.028	0	0.855	0	0	0	---	---	11
12	---	---	0 B	0.295	0.029	0	0.561	0	0	0	---	---	12
13	---	---	0 B	0.736	0.033	0	0.237	0	0	0	---	---	13
14	---	---	0.402B	0.677	0.033	0	0.133	0	0	0	---	---	14
15	---	---	6.64 B	0.572	0.033	0	0.096	0	0	0	---	---	15
16	---	---	2.90 B	0.542	0.050	0	0.071	0	0	0	---	---	16
17	---	---	2.39 B	0.503	0.050	0	0.046	0	0	0	---	---	17
18	---	---	1.79 B	0.410	0.041	0	0.034	0	0	0	---	---	18
19	---	---	1.05 B	0.329	0.033	0	0.026	0	0	0	---	---	19
20	---	---	1.00 B	0.259	0.029	0	0.019	0	0	0	---	---	20
21	---	---	0.905B	0.213	0.021	0	0.015	0	0	0	---	---	21
22	---	---	0.815B	0.178	0.019	0	0.010	0	0	0	---	---	22
23	---	---	0.714B	0.158	0.014	0	0.009	0	0	0	---	---	23
24	---	---	0.980B	0.140	0.009	0	0.006	0	0	0	---	---	24
25	---	---	0.902B	0.141	0.005	0	0.003	0	0	0	---	---	25
26	---	---	0.619B	0.125	0.004	0	0.007	0	0	0	---	---	26
27	---	---	0.530B	0.103	0.002	0	0.027	0	0	0	---	---	27
28	---	---	0.677B	0.088	0.001	0	0.026	0	0	0	---	---	28
29	---	---	0.670B	0.078	0	0	0.023	0	0	0	---	---	29
30	---		1.33 B	0.072	0	0	0.021	0	0	0	---	---	30
31	---		3.74 B		0		0.015	0		0		---	31
TOTAL	---	---	28.174	23.061	0.892	0.003	6.302	0.032	0	0	---	---	TOTAL
MEAN	---	---	0.909	0.769	0.029	0	0.203	0.001	0	0	---	---	MEAN
MAX	---	---	6.64	5.96	0.063	0.001	1.02	0.012	0	0	---	---	MAX
MIN	---	---	0	0.072	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.239
MAXIMUM DAILY, 6.64B ON MAR 15
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
7.42B AT 00:49 CST ON APR 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 58 N
LONG 102 13 41 W
DRAINAGE AREA, 6 060 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	544
FEB	---	AUG	2.76
MAR	2 430	SEP	0
APR	1 990	OCT	0
MAY	77.1	NOV	---
JUN	0.259	DEC	---

TOTAL DISCHARGE, 5 040 dam³

MOOSE MOUNTAIN LAKE (RESERVOIR) NEAR CORNING - STATION NO. 05NC002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	618.909	618.910E	618.909E	619.524	619.678	619.588	619.497	619.457	619.381	619.279	619.246	619.218	1
2	618.911	618.911E	618.909E	619.581	619.667	619.599	619.489	619.461	619.369	619.282	619.261	619.219	2
3	618.912	618.912E	618.909E	619.619	619.669	619.582	619.517	619.478	619.392	619.305	619.240	619.219	3
4	618.914	618.913E	618.909E	619.647	619.668	619.565	619.525	619.462	619.379	619.288	619.228	619.220	4
5	618.914	618.913A	618.909E	619.665	619.666	619.594	619.488	619.455	619.374	619.285	619.225	619.217	5
6	618.912	618.913E	618.909A	619.676	619.657	619.575	619.478	619.453	619.374	619.284	619.220	619.217	6
7	618.913	618.913E	618.909A	619.681	619.679	619.573	619.511	619.436	619.365	619.266	619.223	619.218	7
8	618.913	618.913E	618.914E	619.691A	619.666	619.577	619.511	619.449	619.366	619.263	619.224	619.218	8
9	618.913	618.913E	618.929E	619.698E	619.659	619.568	619.501	619.437	619.363	619.258	619.222	619.218	9
10	618.911	618.912E	618.953E	619.700E	619.654	619.536	619.495	619.427	619.350	619.273	619.221	619.220	10
11	618.909	618.912E	618.977E	619.701E	619.652	619.574	619.503	619.422	619.353	619.275	619.220	619.224	11
12	618.913	618.912E	619.009A	619.700E	619.641	619.559	619.492	619.415	619.307	619.240	619.220	619.224	12
13	618.915	618.912E	619.068	619.700E	619.640	619.559	619.477	619.415	619.352	619.254	619.218	619.227	13
14	618.915	618.912E	619.153	619.700E	619.628	619.549	619.493	619.407	619.336	619.265	619.216	619.226	14
15	618.912	618.912E	619.199	619.700E	619.617	619.537	619.487	619.389	619.332	619.251	619.216	619.227	15
16	618.912	618.912E	619.222	619.700E	619.679	619.534	619.468	619.388	619.298	619.249	619.217	619.226	16
17	618.914	618.911E	619.248	619.700E	619.636	619.540	619.484	619.386	619.307	619.249	619.213	619.225	17
18	618.913	618.911E	619.267E	619.697A	619.606	619.542	619.467	619.390	619.324	619.202	619.215	619.226	18
19	618.913	618.911A	619.285E	619.695	619.607	619.553	619.464	619.391	619.309	619.242	619.215	619.226	19
20	618.914	618.911E	619.303A	619.691	619.617	619.542	619.464	619.390	619.335	619.259	619.217	619.225	20
21	618.911	618.911E	619.321	619.688	619.628	619.537	619.455	619.384	619.323	619.236	619.217	619.226	21
22	618.914	618.911E	619.328E	619.684	619.631	619.523	619.451	619.386	619.314	619.243	619.218	619.226	22
23	618.913	618.910E	619.333E	619.690	619.619	619.510	619.444	619.389	619.305	619.249	619.216	619.226	23
24	618.913	618.910E	619.338E	619.692	619.588	619.516	619.438	619.391	619.314	619.226	619.218	619.223	24
25	618.914	618.910E	619.342E	619.697	619.580	619.512	619.423	619.392	619.303	619.232	619.216	619.225	25
26	618.913	618.910E	619.347E	619.699	619.599	619.499	619.444	619.387	619.314	619.276	619.220	619.227	26
27	618.914	618.910E	619.353E	619.697	619.602	619.497	619.473	619.404	619.296	619.243	619.220	619.228	27
28	618.910A	618.910E	619.389E	619.697	619.600	619.502	619.489	619.411	619.297	619.211	619.219	619.226	28
29	618.910A		619.402E	619.702	619.575	619.505	619.475	619.409	619.273	619.229	619.217	619.228	29
30	618.909E		619.408A	619.709	619.560	619.481	619.465	619.398	619.293	619.224	619.217	619.229	30
31	618.910E		619.455		619.575		619.457	619.414		619.229		619.227	31
MEAN	618.912	618.912	619.158	619.681	619.630	619.544	619.478	619.415	619.333	619.254	619.222	619.223	MEAN
MAX	618.914	618.913	619.455	619.709	619.679	619.594	619.525	619.478	619.392	619.305	619.261	619.229	MAX
MIN	618.909	618.910	618.909	619.524	619.560	619.481	619.423	619.384	619.273	619.202	619.213	619.217	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 619.315
MAXIMUM DAILY, 619.709 ON APR 30
MINIMUM DAILY, 618.909 ON JAN 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 29 N
LONG 103 01 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
1 990 km²

WATER LEVELS ARE REFERRED TO TOPOGRAPHIC SURVEY DATUM

MOOSOMIN LAKE NEAR MOOSOMIN - STATION NO. 05NE002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	543.700E	544.069	543.947	543.915	543.939E	543.889F	543.880E	543.801E	543.561A	---	1
2	---	---	543.700E	544.125	543.942	543.909	543.935E	543.888E	543.878E	543.798E	---	---	2
3	---	---	543.700E	544.186	543.942	543.902	543.941A	543.891E	543.870E	543.807E	---	---	3
4	---	---	543.700E	544.222	543.946	543.894	543.937E	543.880E	543.867E	543.802E	---	---	4
5	---	---	543.700E	544.209	543.950	543.905	543.928E	543.875E	543.863A	543.793A	---	---	5
6	---	---	543.700E	544.175	543.952	543.903	543.945E	543.875E	543.865	543.794	---	---	6
7	---	---	543.702A	544.135	543.949	543.901	543.954E	543.880E	543.859	543.791	---	---	7
8	---	---	543.701	544.096	543.947	543.912	543.958E	543.868E	543.861	543.788	---	---	8
9	---	---	543.708	544.065	543.946	543.916	543.961E	543.864E	543.861	543.786	---	---	9
10	---	---	543.713	544.034	543.946	543.907	543.954E	543.867E	543.853	543.789	---	---	10
11	---	---	543.716	544.007	543.939	543.916	543.948E	543.880E	543.857	543.792	---	---	11
12	---	---	543.731	543.989	543.940	543.905	543.943E	543.880E	543.840	543.761	---	---	12
13	---	---	543.764	543.976	543.941	543.907	543.935E	543.890E	543.849	543.756	---	---	13
14	---	---	543.775	543.969	543.939	543.902	543.939E	543.896E	543.847	543.743	---	---	14
15	---	---	543.788	543.960	543.934	543.893	543.932E	543.885E	543.845	543.726	---	---	15
16	---	---	543.793	543.953	543.964	543.902	543.920E	543.880E	543.834	543.712	---	---	16
17	---	---	543.820	543.958	543.952	543.984	543.922E	543.876E	543.833A	543.703	---	---	17
18	---	---	543.853	543.966	543.939	544.011	543.914E	543.876E	543.837E	543.678	---	---	18
19	---	---	543.876	543.978	543.936	544.009A	543.910E	543.869E	543.839E	543.677	---	---	19
20	---	---	543.897	543.982	543.937	544.014E	543.905E	543.872E	543.849E	543.671	---	---	20
21	---	---	543.918	543.984	543.943	544.011E	543.895E	543.869E	543.853E	543.656	---	---	21
22	---	---	543.933	543.983	543.949	543.996E	543.887E	543.875E	543.841E	543.643	---	---	22
23	---	---	543.939	543.988	543.944	543.973E	543.875E	543.882E	543.826E	543.634	---	---	23
24	---	---	543.949	543.988	543.935	543.971E	543.875E	543.885E	543.836E	543.613	---	---	24
25	---	---	543.956	543.982	543.931	543.960E	543.869E	543.889E	543.833E	543.607	---	---	25
26	---	---	543.958	543.974	543.933	543.951E	543.867E	543.888E	543.831E	543.611	---	---	26
27	---	---	543.960	543.963	543.932	543.941E	543.886E	543.896E	543.823E	543.594	---	---	27
28	---	---	543.966	543.962	543.926	543.940E	543.889E	543.893E	543.816E	543.571	---	---	28
29	---		543.973	543.958	543.911	543.933E	543.885E	543.890E	543.811E	543.564	---	---	29
30	---		543.989	543.958	543.908	543.930E	543.885E	543.887E	543.809E	543.550	---	---	30
31	---		544.016		543.910		543.885E	543.883E		543.551		---	31
MEAN	---	---	543.826	544.027	543.939	543.937	543.917	543.881	543.846	543.702	---	---	MEAN
MAX	---	---	544.016	544.222	543.964	544.014	543.961	543.896	543.880	543.807	---	---	MAX
MIN	---	---	543.700	543.953	543.908	543.893	543.867	543.864	543.809	543.550	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 544.222 ON APR 04

MAXIMUM INSTANTANEOUS,
544.227 AT 17:44 CST ON APR 04

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 01 N
LONG 101 41 25 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

DRAINAGE AREA,
3 650 km²

MORIN CREEK NEAR MEADOW LAKE - STATION NO. 06AD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	1.00 B	0.694	0.001	0	0	0	0	---	---	1
2	---	---	0.005B	4.00 B	0.703	0.001	0	0	0	0	---	---	2
3	---	---	0.005B	11.1 A	0.713	0.001	0.055	0	0	0	---	---	3
4	---	---	0.005B	6.55	0.707	0.003	0.076	0	0	0	---	---	4
5	---	---	0.005B	5.98	0.700	0.004	0.038	0	0	0	---	---	5
6	---	---	0.005B	4.62	0.681	0.009	0.017	0	0	0	---	---	6
7	---	---	0.005B	3.97	0.643	0.003	0.008	0	0	0	---	---	7
8	---	---	0.005B	3.39	0.606	0.002	0.002	0	0	0	---	---	8
9	---	---	0.005B	2.86 A	0.548	0.001	0.051	0	0	0	---	---	9
10	---	---	0.005B	2.04 A	0.500	0.001	0.082	0	0	0	---	---	10
11	---	---	0.005B	1.25	0.492	0.008	0.048	0	0	0	---	---	11
12	---	---	0.005B	1.16	0.482	0.002	0.041	0	0	0	---	---	12
13	---	---	0.005B	1.44	0.449	0.001	0.028	0	0	0	---	---	13
14	---	---	0.005B	1.38	0.408	0	0.012	0	0	0	---	---	14
15	---	---	0.005B	1.27	0.396	0	0.005	0	0	0	---	---	15
16	---	---	0.005B	1.15	0.380	0	0.002	0	0	0	---	---	16
17	---	---	0.005B	1.06	0.343	0	0.001	0	0	0	---	---	17
18	---	---	0.005B	1.02	0.281	0	0.001	0	0	0	---	---	18
19	---	---	0.005B	0.961	0.368	0	0.001	0	0	0	---	---	19
20	---	---	0.005B	0.928	0.282	0	0.001	0	0	0	---	---	20
21	---	---	0.005B	0.900	0.205	0	0.001	0	0	0	---	---	21
22	---	---	0.005B	0.862	0.173	0	0	0	0	0	---	---	22
23	---	---	0.005B	0.811	0.145	0	0	0	0	0	---	---	23
24	---	---	0.005B	0.761	0.132	0	0	0	0	0	---	---	24
25	---	---	0.005B	0.748	0.095	0	0	0	0	0	---	---	25
26	---	---	0.005B	0.788	0.053	0	0	0	0	0	---	---	26
27	---	---	0.040B	0.746	0.029	0	0	0	0	0	---	---	27
28	---	0.005B	0.070B	0.837	0.013	0	0	0	0	0	---	---	28
29	---		0.100B	0.722	0.003	0	0	0	0	0	---	---	29
30	---		0.150B	0.687	0.003	0	0	0	0	0	---	---	30
31	---		0.216B		0.002		0	0		0		---	31
TOTAL	---	---	0.706	64.991	11.229	0.037	0.470	0	0	0	---	---	TOTAL
MEAN	---	---	0.023	2.17	0.362	0.001	0.015	0	0	0	---	---	MEAN
MAX	---	---	0.216	11.1	0.713	0.009	0.082	0	0	0	---	---	MAX
MIN	---	---	0.005	0.687	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.316
MAXIMUM DAILY, 11.1A ON APR 03
MINIMUM DAILY, 0 ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 55 N
LONG 108 34 38 W
DRAINAGE AREA, 167 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	40.6
FEB	---	AUG	0
MAR	61.0	SEP	0
APR	5 620	OCT	0
MAY	970	NOV	---
JUN	3.20	DEC	---

TOTAL DISCHARGE, 6 690 dam³

MORIN LAKE NEAR VICTOIRE - STATION NO. 06AE003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	508.402	508.405	508.380	508.393	508.283	508.195	508.159	---	1
2	---	---	---	---	508.402	508.396	508.379	508.379	508.282	508.192	508.165	---	2
3	---	---	---	---	508.403	508.397	508.404	508.377	508.278	508.190	508.170	---	3
4	---	---	---	---	508.407	508.399	508.405	508.372	508.274	508.189	508.169	---	4
5	---	---	---	---	508.407	508.400	508.406	508.368	508.270	508.185	508.170	---	5
6	---	---	---	---	508.407	508.401	508.406	508.364	508.267	508.182	508.169E	---	6
7	---	---	---	---	508.410E	508.402	508.406	508.358	508.264	508.178	508.168	---	7
8	---	---	---	---	508.412	508.401	508.405	508.352	508.262	508.174	508.168	---	8
9	---	---	---	---	508.412	508.402	508.405	508.349	508.259	508.170	508.166	---	9
10	---	---	---	---	508.411	508.402	508.403	508.346	508.257	508.169	---	---	10
11	---	---	---	---	508.426	508.422	508.400	508.348	508.256	508.167	---	---	11
12	---	---	---	---	508.407	508.422	508.397	508.346	508.254	508.173	---	---	12
13	---	---	---	---	508.405E	508.421	508.395	508.342	508.249	508.170	---	---	13
14	---	---	---	---	508.402	508.419	508.391	508.337	508.245	508.168	---	---	14
15	---	---	---	---	508.402	508.415	508.389	508.334	508.242	508.167	---	---	15
16	---	---	---	---	508.402	508.412	508.387	508.332	508.240	508.166	508.170	---	16
17	---	---	---	---	508.407	508.410	508.386	508.330	508.237	508.165	---	---	17
18	---	---	---	---	508.412	508.411	508.383	508.328	508.234	508.163	---	---	18
19	---	---	---	---	508.415	508.410	508.378	508.324	508.229	508.160	---	---	19
20	---	---	---	---	508.417	508.407	508.374	508.322	508.224	508.157	---	---	20
21	---	---	---	---	508.422	508.404	508.370	508.317	508.219	508.156	---	---	21
22	---	---	---	---	508.421	508.402	508.367	508.314	508.215	508.155	---	---	22
23	---	---	---	---	508.422	508.396	508.364	508.311	508.214	508.153	---	---	23
24	---	---	---	---	508.422	508.395	508.360	508.308	508.214	508.151	---	---	24
25	---	---	---	---	508.421	508.392	508.357	508.306	508.212	508.151	---	---	25
26	---	---	---	---	508.420	508.391	508.355	508.306	508.210	508.151	---	---	26
27	---	---	---	---	508.417	508.387	508.387	508.300	508.208	508.152	---	---	27
28	---	---	---	---	508.415	508.382	508.386	508.294	508.205	508.151	---	---	28
29	---		---	---	508.412	508.380	508.385	508.291	508.200	508.150	---	---	29
30	---		---	---	508.409	508.379	508.382	508.289	508.198	508.148	---	---	30
31	---		---		508.406		508.378	508.287		508.150		---	31
MEAN	---	---	---	---	508.411	508.402	508.386	508.333	508.240	508.166	---	---	MEAN
MAX	---	---	---	---	508.426	508.422	508.406	508.393	508.283	508.195	---	---	MAX
MIN	---	---	---	---	508.402	508.379	508.355	508.287	508.198	508.148	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 508.426 ON MAY 11
MINIMUM DAILY, 508.148 ON OCT 30

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 29 52 N
LONG 107 03 32 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
22 km²

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.522B	0.099	0.003	0.022	0	0	0	0	---	---	1
2	---	0 B	1.30 B	0.072	0.015	0.012	0	0	0	0	---	---	2
3	---	0 B	1.01 B	0.053	0.013	0.006	0	0	0	0	---	---	3
4	---	0 B	1.40 B	0.042	0.011	0.003	0	0	0	0	---	---	4
5	---	0 B	2.09 B	0.019	0.008	0.001	0	0	0	0	---	---	5
6	---	0 B	1.66 B	0.013	0.008E	0	0	0	0	0	---	---	6
7	---	0 B	1.58 B	0.011	0.009	0	0	0	0	0	---	---	7
8	---	0 B	1.11 B	0.006	0.015	0	0	0	0	0	---	---	8
9	---	0 B	0.974B	0.004	0.019	0	0	0	0	0	---	---	9
10	---	0 B	0.547B	0.002	0.017	0	0	0	0	0	---	---	10
11	---	0 B	0.522B	0.001	0.016	0	0	0	0	0	---	---	11
12	---	0 B	0.383B	0.001	0.015E	0	0	0	0	0	---	---	12
13	---	0 B	0.207B	0.001	0.014E	0	0	0	0	0	---	---	13
14	---	0 B	0.145B	0.001	0.014	0	0	0	0	0	---	---	14
15	---	0 B	0.101B	0.001	0.014E	0	0	0	0	0	---	---	15
16	---	0 B	0.107B	0	0.014	0	0	0	0	0	---	---	16
17	---	0 B	0.107B	0	0.027	0	0	0	0	0	---	---	17
18	---	0 B	0.093B	0	0.039	0	0	0	0	0	---	---	18
19	---	0 B	0.119B	0	0.073	0	0	0	0	0	---	---	19
20	---	0 B	0.145B	0	0.074	0	0	0	0	0	---	---	20
21	---	0 B	0.126B	0	0.061	0	0	0	0	0	---	---	21
22	---	0 B	0.119B	0	0.051	0	0	0	0	0	---	---	22
23	---	0 B	0.093B	0	0.055	0	0	0	0	0	---	---	23
24	---	0 B	0.070B	0	0.061	0	0	0	0	0	---	---	24
25	---	0 B	0.055B	0	0.054	0	0	0	0	0	---	---	25
26	---	0 B	0.043B	0	0.039	0	0	0	0	0	---	---	26
27	---	0.035B	0.034B	0	0.032	0	0	0	0	0	---	---	27
28	---	0.180B	0.027B	0	0.029	0	0	0	0	0	---	---	28
29	---		0.055B	0	0.025	0	0	0	0	0	---	---	29
30	---		0.104B	0	0.021	0	0	0	0	0	---	---	30
31	---		0.109		0.021		0	0		0		---	31
TOTAL	---	0.215	14.957	0.326	0.867	0.044	0	0	0	0	---	---	TOTAL
MEAN	---	0.008	0.483	0.011	0.028	0.002	0	0	0	0	---	---	MEAN
MAX	---	0.180	2.09	0.099	0.074	0.022	0	0	0	0	---	---	MAX
MIN	---	0	0.027	0	0.003	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS FEB TO OCT

MEAN, 0.060
MAXIMUM DAILY, 2.09B ON MAR 05
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
2.96B AT 10:32 CST ON MAR 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 37 N
LONG 107 26 13 W
DRAINAGE AREA, 125 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	18.6	AUG	0
MAR	1 290	SEP	0
APR	28.2	OCT	0
MAY	74.9	NOV	---
JUN	3.80	DEC	---

TOTAL DISCHARGE, 1 420 dam³

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 05GB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0.072	0	0	0	0	0	0	0	---	---	8
9	---	---	0.279	0	0	0	0	0	0	0	---	---	9
10	---	---	0.093	0	0	0	0	0	0	0	---	---	10
11	---	---	0.059	0	0	0	0	0	0	0	---	---	11
12	---	---	0.034	0	0	0	0	0	0	0	---	---	12
13	---	---	0.031	0	0	0	0	0	0	0	---	---	13
14	---	---	0.012	0	0	0	0	0	0	0	---	---	14
15	---	---	0.010	0	0	0	0	0	0	0	---	---	15
16	---	---	0.007	0	0	0	0	0	0	0	---	---	16
17	---	---	0.005	0	0	0	0	0	0	0	---	---	17
18	---	---	0.003	0	0	0	0	0	0	0	---	---	18
19	---	---	0.003	0	0	0	0	0	0	0	---	---	19
20	---	---	0.002	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.610	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.020	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.279	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.279 ON MAR 09
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.476 AT 14:56 CST ON MAR 09

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 50 N
LONG 109 02 10 W
DRAINAGE AREA, 252 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	52.7	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 52.7 dam³

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 06BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.6B	16.6B	14.4B	15.9B	43.3	33.9	26.6	20.2	13.4	14.8	18.0B	14.4B	1
2	15.6B	16.5B	14.0B	16.0B	45.4	34.2	27.2	19.3	13.7	15.3	17.2B	14.5B	2
3	15.7B	16.3B	13.8B	16.2B	47.3	33.9	28.0	18.9	13.9	16.0	15.5B	14.7B	3
4	15.7B	16.2B	13.9B	16.3B	47.9	33.3	28.3	18.5	14.2	16.5	16.0B	15.0B	4
5	15.8B	16.0B	13.9B	16.2B	47.5	32.8	27.9	18.2	14.3	16.6	15.8B	15.2B	5
6	16.2B	15.5B	13.9B	16.4B	47.1	32.3	27.6	17.7	14.4	17.1	15.1B	15.2B	6
7	16.2B	15.4B	13.7B	16.6B	47.0	31.9	27.3	16.9	14.4	17.2	14.8B	15.2B	7
8	16.2B	15.6B	13.4B	16.6B	46.4	31.3	26.9	16.5	14.5	17.2	15.0B	15.1B	8
9	16.0B	15.6B	13.3B	16.5B	45.9	30.9	26.5	16.2	14.6	17.2	14.3B	15.0B	9
10	15.9B	15.7B	13.0B	16.3B	45.5	30.5	26.1	15.8	14.9	16.9	14.7B	14.7B	10
11	15.7B	15.8B	13.0B	16.5B	45.0	30.4	25.7	15.4	15.0	16.8	15.0B	14.6B	11
12	15.7B	16.0B	13.2B	16.7B	44.5	30.4	25.3	15.2	15.3	16.8	15.5B	14.6B	12
13	15.8B	16.0B	13.6B	16.8B	43.7	30.4	24.8	15.3	15.6	17.0	14.6B	14.5B	13
14	16.1B	16.0B	13.9B	17.1B	43.6	30.2	24.4	14.9	15.7	17.4	14.9B	14.4B	14
15	16.2B	15.6B	13.9B	17.4B	43.0	30.4	23.9	14.3	15.6	17.4	15.6B	14.1B	15
16	16.3B	15.4B	13.9B	17.7B	42.3	30.4	23.5	14.1	15.6	17.4	16.1B	14.0B	16
17	16.4B	15.5B	13.8B	18.1B	41.7	29.9	23.4	14.0	15.3	18.1	16.2B	13.7B	17
18	16.5B	15.4B	14.0B	19.0B	41.2	30.0	23.3	13.8	15.2	18.4	15.8B	13.5B	18
19	16.6B	15.2B	14.1B	23.0B	40.6	29.5	23.2	13.6	15.1	19.0	15.3B	13.3B	19
20	16.7B	15.0B	14.2B	28.6B	40.7	29.4	23.3	13.5	15.0	18.5	14.9B	13.3B	20
21	16.7B	14.7B	14.4B	34.3B	40.4	29.5	22.9	13.1	14.9	18.1	14.8B	13.1B	21
22	16.8B	14.3B	14.6B	38.4B	40.1	29.4	22.6	13.0	15.0	18.4	14.9B	13.0B	22
23	16.8B	14.2B	14.9B	41.9B	39.6	29.2	22.2	12.6	15.1	18.5	14.4B	13.0B	23
24	16.6B	14.0B	15.3B	45.5B	39.0	28.7	21.7	12.5	14.9	18.5	13.8B	12.6B	24
25	16.7B	14.3B	15.6B	54.4B	38.7	28.3	21.4	12.4	14.8	19.0	13.1B	12.1B	25
26	16.9B	14.4B	15.4B	46.4	37.8	27.6	20.7	12.4	14.7	19.4	13.3B	12.0B	26
27	16.9B	14.5B	15.4B	42.9	37.0	27.3	20.4	12.3	14.7	19.0	13.6B	12.1B	27
28	16.9B	14.5B	15.5B	41.8	36.0	27.4	20.7	12.1	14.7	20.0	14.3B	12.0B	28
29	16.5B		15.6B	41.6	35.4	27.0	21.0	12.0	14.7	19.5	14.3B	12.0B	29
30	16.6B		15.6B	42.2	34.8	26.6	21.5	12.0	14.7	18.8	14.5B	12.0B	30
31	16.8B		15.9B		34.1		21.2	12.6		18.3B		11.8B	31
TOTAL	505.1	430.2	443.0	783.3	1 302.5	907.0	749.5	459.3	443.9	549.1	451.5	424.7	TOTAL
MEAN	16.3	15.4	14.3	26.1	42.0	30.2	24.2	14.8	14.8	17.7	15.1	13.7	MEAN
MAX	16.9	16.6	15.9	54.4	47.9	34.2	28.3	20.2	15.7	20.0	18.0	15.2	MAX
MIN	15.6	14.0	13.0	15.9	34.1	26.6	20.4	12.0	13.4	14.8	13.1	11.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.4
MAXIMUM DAILY, 54.4B ON APR 25
MINIMUM DAILY, 11.8B ON DEC 31
MAXIMUM INSTANTANEOUS,
58.2 AT 08:54 CST ON APR 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 05 30 N
LONG 107 35 30 W
DRAINAGE AREA, 5 940 km²

P - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	43 600	JUL	64 800
FEB	37 200	AUG	39 700
MAR	38 300	SEP	38 400
APR	67 700	OCT	47 400
MAY	113 000	NOV	39 000
JUN	78 400	DEC	36 700

TOTAL DISCHARGE, 644 000 dam³

NASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.579	0	1.12	0	0	0	0	---	---	1
2	---	---	0.546B	0.583	0.306	0.931	0	0	0	0	---	---	2
3	---	---	1.22 B	0.600	0.586	0.506	0	0	0	0	---	---	3
4	---	---	1.39 B	0.752	0.567	0.070	0	0	0	0	---	---	4
5	---	---	1.43 B	0.942	0.394	0.019	0	0	0	0	---	---	5
6	---	---	1.43 B	0.815	0.022	0	0	0	0	0	---	---	6
7	---	---	1.46 B	0.558	0.003	0	0	0	0	0	---	---	7
8	---	---	1.42 B	0.617	0.001	0	0	0	0	0	---	---	8
9	---	---	0.988B	0.625	0	0	0	0	0	0	---	---	9
10	---	---	0.705B	0.348A	0	0	0	0	0	0	---	---	10
11	---	---	0.556B	0.005	0	0	0	0	0	0	---	---	11
12	---	---	0.407B	0	0	0	0	0	0	0	---	---	12
13	---	---	0.368B	0	0	0	0	0	0	0	---	---	13
14	---	---	0.330B	0	0	0	0	0	0	0	---	---	14
15	---	---	0.311B	0	0	0	0	0	0	0	---	---	15
16	---	---	1.10 B	0	0	0	0	0	0	0	---	---	16
17	---	---	1.04 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0.587B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.482B	0	0	0	0	0	0	0	---	---	19
20	---	OB	0.463B	0	0	0	0	0	0	0	---	---	20
21	---	OB	0.515B	0	0	0	0	0	0	0	---	---	21
22	---	OB	0.953B	0	0	0	0	0	0	0	---	---	22
23	---	OB	0.393B	0	0.035	0	0	0	0	0	---	---	23
24	---	OB	0.762B	0	0.499	0	0	0	0	0	---	---	24
25	---	OB	0.959B	0	0.605	0	0	0	0	0	---	---	25
26	---	OB	1.01 B	0	0.967	0	0	0	0	0	---	---	26
27	---	OB	0.868B	0	1.09	0	0	0	0	0	---	---	27
28	---	OB	0.805B	0	1.22	0	0	0	0	0	---	---	28
29	---		0.681B	0	1.23	0	0	0	0	0	---	---	29
30	---		0.609B	0	1.23	0	0	0	0	0	---	---	30
31	---		0.592		1.22		0	0		0		---	31
TOTAL	---	---	24.382	6.424	9.965	2.646	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.787	0.214	0.322	0.088	0	0	0	0	---	---	MEAN
MAX	---	---	1.46	0.942	1.23	1.12	0	0	0	0	---	---	MAX
MIN	---	---	0.002	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.177
MAXIMUM DAILY, 1.46B ON MAR 07
MINIMUM DAILY, 0 ON APR 12

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 57 N
LONG 109 33 27 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2 110	SEP	0
APR	555	OCT	0
MAY	861	NOV	---
JUN	229	DEC	---

TOTAL DISCHARGE, 3 760 dam³

NEMEIBEN LAKE NEAR LA RONGE - STATION NO. 06CB003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	370.505	370.461	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	370.314	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	370.502	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	370.497	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	370.300	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	370.377	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	370.210	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	370.471	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	370.370	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	370.454	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 15 38 N
LONG 105 22 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
1 570 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEWTON LAKE - STATION NO. 11AC056

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	799.711E	802.798	803.066	802.375	800.181	799.572	DRY	DRY	---	---	1
2	---	---	799.756	802.857	803.087	802.334	800.103	799.560	DRY	DRY	---	---	2
3	---	---	799.792	802.957	803.086	802.282	800.049	799.549	DRY	DRY	---	---	3
4	---	---	799.817	803.084	803.083	802.236	800.005	799.529	DRY	DRY	---	---	4
5	---	---	799.835	803.089A	803.083	802.181	799.980	799.502	DRY	DRY	---	---	5
6	---	---	799.852	803.068A	803.073	802.088	799.972	799.480	DRY	DRY	---	---	6
7	---	---	799.871	803.023	803.047	801.994	799.950	799.461	DRY	DRY	---	---	7
8	---	---	799.887	803.015	803.025	801.904	799.921	799.436	DRY	DRY	---	---	8
9	---	---	799.902	803.027	803.023	801.818	799.887	799.410	DRY	DRY	---	---	9
10	---	---	799.909	803.047	803.018	801.741	799.858	799.386	DRY	DRY	---	---	10
11	---	---	799.922	803.049	802.992	801.662	799.824	799.353	DRY	DRY	---	---	11
12	---	---	799.949	803.045	802.959	801.594	799.784	799.315	DRY	DRY	---	---	12
13	---	---	799.968	803.048	802.939	801.528	799.746	799.297	DRY	DRY	---	---	13
14	---	---	799.986	803.054	802.915	801.434	799.713	799.275	DRY	DRY	---	---	14
15	---	---	800.159	803.052	802.916	801.352	799.681E	799.232	DRY	DRY	---	---	15
16	---	---	800.676	803.055	802.898	801.271	799.644E	799.182	DRY	DRY	---	---	16
17	---	---	801.101	803.049	802.863	801.203	799.609E	799.138	DRY	DRY	---	---	17
18	---	---	801.421	803.054	802.813	801.137	799.568E	799.086	DRY	DRY	---	---	18
19	---	---	801.669	803.053	802.798	801.075	799.542E	799.013	DRY	DRY	---	---	19
20	---	---	801.823	803.056	802.772	800.997	799.535E	798.893A	DRY	DRY	---	---	20
21	---	---	801.926	803.060	802.751	800.926	799.529E	798.740E	DRY	DRY	---	---	21
22	---	---	802.005	803.061	802.732	800.832	799.526E	798.540E	DRY	DRY	---	---	22
23	---	---	802.054	803.059	802.707	800.746	799.522E	DRY	DRY	DRY	---	---	23
24	---	---	802.088	803.072	802.667	800.680	799.518E	DRY	DRY	DRY	---	---	24
25	---	799.600E	802.105	803.080	802.623	800.613	799.516A	DRY	DRY	DRY	---	---	25
26	---	799.630E	802.137	803.093	802.582	800.545	799.540	DRY	DRY	DRY	---	---	26
27	---	799.660E	802.283	803.079	802.554	800.481	799.573	DRY	DRY	DRY	---	---	27
28	---	799.694A	802.449	803.047	802.525	800.415	799.594	DRY	DRY	DRY	---	---	28
29	---		802.558	803.045	802.480	800.341	799.595	DRY	DRY	DRY	---	---	29
30	---		802.656	803.049	802.443	800.261	799.590	DRY	DRY	DRY	---	---	30
31	---		802.742		802.419		799.583	DRY		DRY		---	31
MEAN	---	---	800.968	803.037	802.837	801.335	799.730	***	DRY	DRY	---	---	MEAN
MAX	---	---	802.742	803.093	803.087	802.375	800.181	799.572	DRY	DRY	---	---	MAX
MIN	---	---	799.711	802.798	802.419	800.261	799.516	798.540	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 803.093 ON APR 26
MINIMUM DAILY,DRY ON SEP 01
MAXIMUM INSTANTANEOUS,
803.129 AT 20:30 CST ON APR 29
*** - MEAN IS NOT COMPUTED DUE TO DRY PERIODS WITHIN THE MONTH
WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY .052 m ADJUSTMENT TO CONVERT TO TOPOGRAPHIC SURVEY DATUM

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 12 N
LONG 107 48 20 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1937
DRAINAGE AREA,
3 490 km²

REMARKS - THE MAXIMUM INSTANTANEOUS WATER LEVEL OCCURRED AS A RESULT OF WIND SETUP

NEWTON LAKE MAIN CANAL - STATION NO. 11AC054

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.46	0	0	0	0	---	---	1
2	---	---	0	0	0	1.49	0	0	0	0	---	---	2
3	---	---	0	0	0.272	1.84	0	0	0	0	---	---	3
4	---	---	0	0	0	1.91	0	0	0	0	---	---	4
5	---	---	0	0	0	1.88	0	0	0	0	---	---	5
6	---	---	0	0	0	1.93	0	0	0	0	---	---	6
7	---	---	0	0	0	1.79	0	0	0	0	---	---	7
8	---	---	0	0	0	1.42	0	0	0	0	---	---	8
9	---	---	0	0	0	0.974	0	0	0	0	---	---	9
10	---	---	0	0	1.17	0.652	0	0	0	0	---	---	10
11	---	---	0	0	1.47	0.673	0	0	0	0	---	---	11
12	---	---	0	0	1.51	0.694	0	0	0	0	---	---	12
13	---	---	0	0	1.50	0.714	0	0	0	0	---	---	13
14	---	---	0	0	2.00	0.506	0	0	0	0	---	---	14
15	---	---	0	0	1.97	0.372	0	0	0	0	---	---	15
16	---	---	0	0	1.75	0.473	0	0	0	0	---	---	16
17	---	---	0	0	2.00	0.437	0	0	0	0	---	---	17
18	---	---	0	0	2.15	0.222	0	0	0	0	---	---	18
19	---	---	0	0	1.72	0.171	0	0	0	0	---	---	19
20	---	---	0	0	1.20	0	0	0	0	0	---	---	20
21	---	---	0	0	0.926	0	0	0	0	0	---	---	21
22	---	---	0	0	0.858	0	0	0	0	0	---	---	22
23	---	---	0	0	1.41	0	0	0	0	0	---	---	23
24	---	---	0	0	2.11	0	0	0	0	0	---	---	24
25	---	---	0	0	2.17	0	0	0	0	0	---	---	25
26	---	0	0	0	2.00	0	0	0	0	0	---	---	26
27	---	0	0	0	1.32	0	0	0	0	0	---	---	27
28	---	0	0	0	1.32	0	0	0	0	0	---	---	28
29	---		0	0	1.15	0	0	0	0	0	---	---	29
30	---		0	0	1.39	0	0	0	0	0	---	---	30
31	---		0		1.49		0	0		0		---	31
TOTAL	---	---	0	0	35.216	19.508	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	1.14	0.650	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	2.37	1.91	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.223
MAXIMUM DAILY, 2.37 ON MAY 25
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 18 N
LONG 107 48 05 W

REGULATED SINCE 1937

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	3 040	NOV	---
JUN	1 690	DEC	---

TOTAL DISCHARGE, 4 730 dam³

NICKLE LAKE NEAR WEYBURN - STATION NO. 05NB020

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	559.459	559.367	559.277A	559.627	560.509	560.401	560.314	561.397	561.380	561.230	561.111	561.070	1
2	559.456	559.363	559.274A	559.534	560.507	560.415	560.317	561.395	561.375	561.228	561.110	561.068	2
3	559.453	559.361	559.272A	560.124	560.504	560.421	560.538	561.391	561.376	561.226	561.104	561.066	3
4	559.448	559.359	559.269A	560.271	560.505	560.416	560.859	561.382	561.369	561.214	561.101	561.065	4
5	559.445	559.356	559.266A	560.376	560.502	560.416	560.942	561.378	561.363	561.213	561.101	561.063	5
6	559.441	559.353A	559.263A	560.440	560.499	560.410	560.985	561.374	561.361	561.206	561.096	561.061	6
7	559.439	559.349A	559.260A	560.486	560.501	560.408	561.052	561.369	561.355	561.199	561.094	561.058	7
8	559.436	559.346A	559.265A	560.518	560.501	560.408	561.107	561.364	561.351	561.195	561.102	561.057	8
9	559.433	559.343A	559.271	560.539	560.496	560.403	561.135	561.358	561.346	561.189	561.104	561.055	9
10	559.434	559.339A	559.271	560.549	560.493	560.399	561.152	561.352	561.342	561.187	561.103	561.054	10
11	559.430	559.336A	559.272A	560.550	560.490	560.412	561.221	561.347	561.339	561.180	561.101	561.059	11
12	559.422	559.333A	559.281	560.548	560.485	560.404	561.265	561.343	561.330	561.172	561.099	561.060	12
13	559.419	559.329A	559.310	560.547	560.483	560.396	561.279	561.339	561.328	561.171	561.096	561.058	13
14	559.416	559.326A	559.311	560.548	560.478	560.389	561.282	561.335	561.318	561.169	561.095	561.056	14
15	559.414	559.323A	559.317	560.546	560.476	560.382	561.278	561.325	561.313	561.163	561.093	561.055	15
16	559.411	559.320A	559.316	560.544	560.482	560.377	561.273	561.317	561.304	561.160	561.091	561.055	16
17	559.409	559.316A	559.311	560.538	560.468	560.374	561.273	561.317	561.299	561.157	561.090	561.053	17
18	559.405	559.313A	559.307	560.536	560.463	560.371	561.269	561.301	561.296	561.151	561.089	561.052	18
19	559.403	559.310A	559.305	560.535	560.459	560.371	561.269	561.291	561.289	561.151	561.087	561.055	19
20	559.400	559.306A	559.303	560.534A	560.456	560.364	561.269	561.289	561.289	561.149	561.087	561.054	20
21	559.398	559.303A	559.304	560.533A	560.465	560.356	561.267	561.285	561.281	561.141	561.089	561.050	21
22	559.394	559.300A	559.305	560.529A	560.466	560.348	561.264	561.285	561.275	561.139	561.086	561.050	22
23	559.394	559.296A	559.301	560.527	560.462	560.340	561.260	561.282	561.272	561.137	561.082	561.047	23
24	559.390	559.293A	559.298	560.525	560.456	560.335	561.256	561.303	561.270	561.132	561.081	561.047	24
25	559.385	559.290A	559.296	560.530	560.445	560.329	561.254	561.385	561.262	561.130	561.076	561.044	25
26	559.383	559.286A	559.292	560.528	560.441	560.322	561.277	561.394	561.259	561.135	561.079	561.042	26
27	559.380	559.283A	559.291	560.523	560.437	560.318	561.348	561.403	561.250	561.124	561.077	561.044	27
28	559.376	559.280A	559.295	560.520	560.432	560.314	561.368	561.402	561.246	561.118	561.075	561.042	28
29	559.374		559.301	560.515	560.424	560.311	561.367	561.400	561.239	561.115	561.074	561.040	29
30	559.370		559.316	560.515	560.413	560.302	561.369	561.396	561.237	561.112	561.073	561.037	30
31	559.369		559.387		560.407		561.390	561.391		561.111		561.036	31
MEAN	559.412	559.324	559.294	560.451	560.471	560.374	561.145	561.373	561.310	561.165	561.092	561.053	MEAN
MAX	559.459	559.367	559.387	560.550	560.509	560.421	561.390	561.403	561.380	561.230	561.111	561.070	MAX
MIN	559.369	559.280	559.260	559.627	560.407	560.302	560.314	561.317	561.237	561.111	561.073	561.036	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 560.546
MAXIMUM DAILY, 561.403 ON AUG 27
MINIMUM DAILY, 559.260A ON MAR 07
MAXIMUM INSTANTANEOUS,
561.404 AT 08:08 CST ON AUG 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 33 N
LONG 103 47 28 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
3 700 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PRIOR TO APR 4 RESERVOIR WAS DIVIDED INTO TWO POOLS. PUBLISHED DATA REPRESENT THE MAIN OR LOWER POOL

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 06AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0.008B	0.073	0.007	0	0	0	0	---	---	1
2	---	---	0B	0.155B	0.072	0.004	0	0	0	0	---	---	2
3	---	---	0B	0.213B	0.078	0.003	0	0	0	0	---	---	3
4	---	---	0B	0.526B	0.123	0.003	0	0	0	0	---	---	4
5	---	---	0B	0.608B	0.175	0.004	0	0	0	0	---	---	5
6	---	---	0B	0.482B	0.215	0.002	0.001	0	0	0	---	---	6
7	---	---	0B	0.374B	0.213	0.002	0.003	0	0	0	---	---	7
8	---	---	0B	0.246B	0.192	0.001	0.003	0	0	0	---	---	8
9	---	---	0B	0.166B	0.164	0.002	0.003	0	0	0	---	---	9
10	---	---	0B	0.151B	0.131	0.004	0.004	0	0	0	---	---	10
11	---	---	0B	0.108B	0.123	0.016	0.005	0	0	0	---	---	11
12	---	---	0B	0.083B	0.107	0.014	0.004	0	0	0	---	---	12
13	---	---	0B	0.070B	0.098	0.012	0.003	0	0	0	---	---	13
14	---	---	0B	0.059B	0.092	0.011	0.001	0	0	0	---	---	14
15	---	---	0B	0.049B	0.094	0.010	0	0	0	0	---	---	15
16	---	---	0B	0.040B	0.302	0.007	0	0	0	0	---	---	16
17	---	---	0B	0.034	0.530	0.005	0	0	0	0	---	---	17
18	---	---	0B	0.034	0.439	0.004	0	0	0	0	---	---	18
19	---	---	0B	0.035	0.313	0.002	0	0	0	0	---	---	19
20	---	---	0B	0.037	0.229	0	0	0	0	0	---	---	20
21	---	---	0B	0.040	0.170	0	0	0	0	0	---	---	21
22	---	---	0B	0.041	0.130	0	0	0	0	0	---	---	22
23	---	---	0B	0.046	0.099	0	0	0	0	0	---	---	23
24	---	---	0B	0.048	0.090	0	0	0	0	0	---	---	24
25	---	---	0B	0.047	0.069	0	0	0	0	0	---	---	25
26	---	---	0B	0.049	0.054	0	0	0	0	0	---	---	26
27	---	---	0B	0.055	0.047	0	0	0	0	0	---	---	27
28	---	---	0B	0.067	0.041	0	0	0	0	0	---	---	28
29	---	---	0B	0.078	0.033	0	0	0	0	0	---	---	29
30	---		0B	0.078	0.025	0	0	0	0	0	---	---	30
31	---		0B		0.016		0	0		0	---	---	31
TOTAL	---	---	0	4.027	4.537	0.113	0.027	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.134	0.146	0.004	0.001	0	0	0	---	---	MEAN
MAX	---	---	0	0.608	0.530	0.016	0.005	0	0	0	---	---	MAX
MIN	---	---	0	0.008	0.016	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.036
MAXIMUM DAILY, 0.608B ON APR 05
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.719B AT 21:45 CST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 21 17 N
LONG 107 28 01 W
DRAINAGE AREA, 432 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2.33
FEB	---	AUG	0
MAR	0	SEP	0
APR	348	OCT	0
MAY	392	NOV	---
JUN	9.76	DEC	---

TOTAL DISCHARGE, 752 dam³

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	98.5B	139B	101B	273B	414A	463	640	463	283E	180	155	84.2B	1
2	94.6B	141B	105B	272B	431A	673	644	432	304E	173	162	85.1B	2
3	102 B	144B	110B	267B	436A	880	673	431	322E	160	175	72.9B	3
4	108 B	148B	115B	260B	433	792	666	425	338E	173	166	68.8B	4
5	109 B	144B	119B	256B	424	701	652	402	349A	185	144	67.0B	5
6	119 B	139B	126B	255B	402	660	640	382	353	177	141	64.3B	6
7	134 B	137B	131B	320B	385	699	620	367	379	171	135 A	65.1B	7
8	145 B	130B	131B	714B	372	847	652	365	356	170	97.9	66.5B	8
9	151 B	121B	125B	726	360	825	1 260	369A	319	169	82.8	66.5B	9
10	157 B	114B	122B	663	347	906	1 890	359A	289	158	96.0	67.8B	10
11	168 B	110B	128B	624	329	972	1 870	357	259	157	97.2B	70.8B	11
12	164 B	110B	135B	588	330	963	1 400	347	231	184 B	118 B	78.6B	12
13	152 B	113B	550A	382	932A	1 340	325	224	179	129 B	90.8B	13	
14	144 B	118B	132B	522	408	851	1 360	311	240	155	136 B	104 B	14
15	141 B	117B	132B	498	414	782	1 220	312	244	155	132 B	113 B	15
16	144 B	116B	131B	473	406	729	1 050A	311	237	159	131 B	111 B	16
17	146 B	112B	133B	432	400	686	961A	304	227	148	133 B	110 B	17
18	138 B	111B	137B	446	397	833A	895A	304	209	146	132 B	114 B	18
19	130 B	115B	143B	448	404	1 170	806A	299	198	152	131 B	118 B	19
20	135 B	124B	148B	418	410	1 390	733	289	199	162	131 B	120 B	20
21	142 B	130B	148B	430	399	1 340	679	277	205	182	130 B	121 B	21
22	142 B	123B	148B	468A	395	1 140	657	276	204	187	128 B	118 B	22
23	143 B	115B	148B	468A	403	1 050A	643	291	207	172	134 B	116 B	23
24	149 B	117B	148B	496	403	959E	612	302	205	158	127 B	117 B	24
25	151 B	116B	146B	484A	393	881E	584A	285	191	158	109 B	115 B	25
26	151 B	108B	144B	445	390	815A	559A	277	178	170	98.2B	108 B	26
27	152 B	105B	142B	432	382	784	584A	272	178	178	98.3B	106 B	27
28	153 B	102B	152B	391	373	743	567	263	189	183	97.1B	107 B	28
29	151 B		165B	380	374	709	521	250	202	174	91.8B	99.7B	29
30	145 B		201B	393	430	674	504	246	194	166	87.2B	92.7B	30
31	140 B		254B		481		491	261A		160		92.2B	31
TOTAL	4 299.1	3 419	4 336	13 392	12 307	25 849	26 373	10 154	7 513	5 201	3 730.5	2 933.0	TOTAL
MEAN	139	122	140	446	397	862	851	328	250	168	124	94.6	MEAN
MAX	168	148	254	726	481	1 390	1 890	463	379	187	175	121	MAX
MIN	94.6	102	101	255	329	463	491	246	178	146	82.8	64.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 327
MAXIMUM DAILY, 1 890 ON JUL 10
MINIMUM DAILY, 64.3B ON DEC 06
MAXIMUM INSTANTANEOUS
2 050A AT 22:15 CST ON JUL 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 12 10 N
LONG 105 46 06 W
DRAINAGE AREA, 131 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	371 000	JUL	2 280 000
FEB	295 000	AUG	877 000
MAR	375 000	SEP	649 000
APR	1 160 000	OCT	449 000
MAY	1 060 000	NOV	322 000
JUN	2 230 000	DEC	253 000

TOTAL DISCHARGE, 10 300 000 dam³

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	158B	139 B	128B	257B	328	564	592	313	298	169	145	65.7B	1
2	165B	127 B	122B	310B	313	524	572	291	328	161	136	73.0B	2
3	166B	115 B	114B	365B	301	645	578	282	321	164	127 B	71.5B	3
4	175B	107 B	109B	402B	288	738	590	284	272	160	129 B	74.0B	4
5	169B	104 B	117B	416B	286	664	983	274	250	144	143 B	89.6B	5
6	158B	105 B	118B	406B	272	823	1 910	268	227	156	145 B	106 B	6
7	142B	110 B	119B	411B	255	803	1 460	274	199	196	140 B	112 B	7
8	139B	117 B	123B	412B	307	810	1 050	252	191	154	138 B	119 B	8
9	135B	108 B	122B	396B	359	785	1 080	236	217	141	153 B	108 B	9
10	147B	110 B	133B	372B	354	699	1 160	233	224	157	128 B	101 B	10
11	146B	105 B	142B	355B	348	663	1 020	245	215	153	133 B	116 B	11
12	128B	106 B	148B	336B	341	628	852	235	209	132	133 B	121 B	12
13	117B	112 B	145B	330B	338	591	767	242	195	144	125 B	121 B	13
14	138B	124 B	147B	324B	337	783	698	236	176	151	127 B	123 B	14
15	142B	131 B	143B	330	345	1 210	631	233	183	168	123 B	118 B	15
16	137B	113 B	151B	343	336	1 240	585	220	195	187	128 B	105 B	16
17	142B	103 B	147B	354	334	1 070	540	222	186	169	129 B	104 B	17
18	154B	113 B	145B	353	341	918	529	234	193	162	114 B	110 B	18
19	150B	106 B	147B	352	353	811	521	258	192	143	116 B	93.0B	19
20	150B	91.4B	148B	389	340	763	501	232	176	161	126 B	90.4B	20
21	153B	96.0B	164B	340	347	715	486	232	165	173	121 B	92.2B	21
22	154B	87.7B	185B	335	336	703	463	234	174	179	113 B	94.8B	22
23	151B	90.2B	221B	293	331	685	474	227	186	170	105 B	80.3B	23
24	147B	97.1B	259B	269	326	651	448	214	198	162	104 B	81.8B	24
25	139B	102 B	257B	275	353	626	403	214	180	158	88.1B	94.7B	25
26	138B	107 B	243B	294	445	602	395	225	177	145	83.0B	84.9B	26
27	148B	113 B	230B	321	414	578	402	212	159	150	83.8B	68.2B	27
28	146B	122 B	218B	344	453	605	380	280	150	168	84.5B	61.8B	28
29	156B		199B	343	720	620	349	323	196	156	76.9B	64.1B	29
30	148B		185B	342	755	604	363	304	178	143	71.5B	72.8B	30
31	138B		191B		626		338	296		142		96.1B	31
TOTAL	4 572	3 061.4	5 020	10 369	11 582	22 121	21 120	7 825	6 200	4 918	3 568.8	2 912.9	TOTAL
MEAN	147	109	162	346	374	737	681	252	207	159	119	94.0	MEAN
MAX	175	139	259	416	755	1 240	1 910	323	328	196	153	123	MAX
MIN	117	87.7	109	257	255	524	338	212	150	132	71.5	61.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 283
MAXIMUM DAILY, 1 910 ON JUL 06
MINIMUM DAILY, 61.8B ON DEC 28
MAXIMUM INSTANTANEOUS
2 600 AT 11:40 CST ON JUL 06

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 31 00 N
LONG 109 36 40 W
DRAINAGE AREA, 57 100 km²
B - ICE CONDITIONS
REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	395 000	JUL	1 820 000
FEB	265 000	AUG	676 000
MAR	434 000	SEP	536 000
APR	896 000	OCT	425 000
MAY	1 000 000	NOV	308 000
JUN	1 910 000	DEC	252 000

TOTAL DISCHARGE, 8 920 000 dam³

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05JB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.507B	0.131	0.041	0.007	0	0.001	0	0	---	---	1
2	---	---	0.614B	0.096	0.049	0.007	0	0.001	0	0	---	---	2
3	---	---	0.951B	0.102	0.051	0.006	0	0.001	0	0	---	---	3
4	---	---	1.26 B	0.084	0.057	0.007	0	0	0	0	---	---	4
5	---	---	1.06 B	0.066	0.056	0.006	0	0	0	0	---	---	5
6	---	---	0.899B	0.068	0.050	0.005	0	0	0	0	---	---	6
7	---	---	0.758B	0.065	0.047	0.005	0	0	0	0	---	---	7
8	---	---	0.337B	0.067	0.048	0.005	0	0	0	0	---	---	8
9	---	---	0.522B	0.069	0.044	0.004	0.001	0	0	0	---	---	9
10	---	---	0.596B	0.070	0.045	0.004	0.050	0	0	0	---	---	10
11	---	---	0.413B	0.069	0.042	0.003	0.023	0	0	0	---	---	11
12	---	---	0.341B	0.071	0.040	0.002	0.017	0	0	0	---	---	12
13	---	---	0.156B	0.075	0.036	0.002	0.008	0	0	0	---	---	13
14	---	---	0.147B	0.065	0.033	0.003	0.004	0	0	0	---	---	14
15	---	---	0.297B	0.060	0.042	0.003	0.002	0	0	0	---	---	15
16	---	---	0.343B	0.057	0.040	0.002	0.001	0	0	0	---	---	16
17	---	---	0.345B	0.051	0.038	0.002	0.001	0	0	0	---	---	17
18	---	---	0.211B	0.049	0.038	0.002	0.001	0	0	0	---	---	18
19	---	---	0.194B	0.047	0.039	0.001	0.001	0	0	0	---	---	19
20	---	---	0.317B	0.044	0.038	0.001	0.002	0	0	0	---	---	20
21	---	---	0.485B	0.040	0.041	0.001	0.002	0	0	0	---	---	21
22	---	---	0.484B	0.037	0.039	0.001	0.001	0	0	0	---	---	22
23	---	---	0.247B	0.034	0.033	0	0.001	0	0	0	---	---	23
24	---	---	0.262B	0.032	0.029	0	0.001	0	0	0	---	---	24
25	---	---	0.239B	0.030	0.022	0	0.001	0	0	0	---	---	25
26	---	---	0.217B	0.026	0.022	0	0.004	0	0	0	---	---	26
27	---	D.157B	0.241B	0.026	0.019	0	0.019	0	0	0	---	---	27
28	---	0.312B	0.412B	0.031	0.016	0	0.019	0	0	0	---	---	28
29	---		0.414	0.035	0.013	0	0.008	0	0	0	---	---	29
30	---		0.274	0.043	0.011	0	0.004	0	0	0	---	---	30
31	---		0.200		0.009		0.002	0		0		---	31
TOTAL	---	---	13.243	1.740	1.128	0.079	0.173	0.003	0	0	---	---	TOTAL
MEAN	---	---	0.427	0.058	0.036	0.003	0.006	0	0	0	---	---	MEAN
MAX	---	---	1.26	0.131	0.057	0.007	0.050	0.001	0	0	---	---	MAX
MIN	---	---	0.147	0.026	0.009	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.067
MAXIMUM DAILY, 1.26B ON MAR 04
MINIMUM DAILY, 0 ON JUN 23
MAXIMUM INSTANTANEOUS,
1.61B AT 18:10 CST ON MAR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 42 32 N
LONG 108 07 31 W
DRAINAGE AREA, 454 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14.9
FEB	---	AUG	0.259
MAR	1 140	SEP	0
APR	150	OCT	0
MAY	97.5	NOV	---
JUN	6.83	DEC	---

TOTAL DISCHARGE, 1 410 dam³

NOTUKEU CREEK NEAR VANGUARD - STATION NO. 05JB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0.008B	0.111B	0.151	0.198	0.134	0.011	0.207	0.069	0.025	D.032B	---	1
2	---	0.008B	0.446B	1.11	0.157	0.097	0.009	0.162	0.064	0.031	0.028B	---	2
3	---	0.008B	1.21 B	0.731	0.146	0.093	0.019	0.138	0.054	0.050	---	---	3
4	---	0.008B	1.35 B	0.032	0.122	0.090	0.005	0.114	0.049	0.038	---	---	4
5	---	0.008B	1.51 B	0	0.123	0.058	0	0.091	0.037	0.030	---	---	5
6	---	0.008B	0.633B	0	0.113	0.047	0.011	0.079	0.093	0.025	---	---	6
7	---	0.008B	0.587B	0	0.110	0.040	0.011	0.072	0.044	0.024	---	---	7
8	---	0.008B	0.832B	0.001	0.109	0.042	0.008	0.054	0.034	0.025	---	---	8
9	---	0.006B	0.581B	0	0.125	0.035	0.003	0.037	0.031	0.025	---	---	9
10	---	0.008B	0.412B	0	0.113	0.030	0.011	0.032	0.031	0.027	---	---	10
11	---	0.008B	0.434B	0	0.104	0.046	0.007	0.028	0.030	0.024	---	---	11
12	---	0.008B	0.367B	0.110	0.110	0.030	0.003	0.030	0.030	0.025	---	---	12
13	---	0.008B	0.272B	0.236	0.132	0.025	0	0.038	0.030	0.024	---	---	13
14	---	0.007B	0.253B	0.206	0.104	0.029	0	0.034	0.031	0.026	---	---	14
15	---	0.006B	0.373B	0.185	0.136	0.030	0	0.022	0.028	0.027	---	---	15
16	---	0.006B	0.422B	0.420	0.131	0.035	0	0.015	0.027	0.026	---	---	16
17	---	0.006B	0.323B	1.96	0.108	0.071	0	0.012	0.028	0.029	---	---	17
18	---	0.005B	0.267B	1.63	0.118	0.117	0	0.011	0.029	0.034	---	---	18
19	---	0.005B	0.233B	1.19	0.131	0.086	0	0.008	0.038	0.037	---	---	19
20	---	0.004B	0.244B	1.04	0.103	0.073	0	0.005	0.042	0.035	---	---	20
21	---	0.004B	0.905B	0.682	0.102	0.058	0	0.004	0.039	0.038	---	---	21
22	---	0.003B	0.701B	0.282	0.089	0.052	0	0.015	0.037	0.042	---	---	22
23	---	0.006B	0.484B	0.168	0.111	0.046	0	0.022	0.037	0.047	---	---	23
24	---	0.007B	0.358B	0.225	0.154	0.037	0	0.031	0.033	0.049	---	---	24
25	---	0.011B	0.271	0.183	0.219	0.031	0	0.041	0.031	0.054	---	---	25
26	---	0.023B	0.238	0.127	0.266	0.028	0	0.041	0.027	0.058	---	---	26
27	---	0.023B	0.210	0.102	0.242	0.025	0	0.043	0.024	0.039	---	---	27
28	---	0.040B	0.204	0.080	0.194	0.019	0	0.062	0.023	0.042B	---	---	28
29	---		0.225	0.620	0.175	0.020	0.005	0.061	0.025	0.038B	---	---	29
30	---		0.209	0.398	0.142	0.014	0.256	0.058	0.025	0.034B	---	---	30
31	---		0.180		0.153		0.278	0.071		0.033B		---	31
TOTAL	---	0.260	14.845	11.869	4.340	1.538	0.637	1.638	1.120	1.061	---	---	TOTAL
MEAN	---	0.009	0.479	0.396	0.140	0.051	0.021	0.053	0.037	0.034	---	---	MEAN
MAX	---	0.040	1.51	1.96	0.266	0.134	0.278	0.207	0.093	0.058	---	---	MAX
MIN	---	0.003	0.111	0	0.089	0.014	0	0.004	0.023	0.024	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.137
MAXIMUM DAILY, 1.96 ON APR 17
MINIMUM DAILY, 0 ON APR 05
MAXIMUM INSTANTANEOUS,
2.32 AT 11:29 CST ON APR 17

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 03 N
LONG 107 11 08 W
DRAINAGE AREA, 3 540 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	55.0
FEB	22.5	AUG	142
MAR	1 280	SEP	96.8
APR	1 030	OCT	91.7
MAY	375	NOV	---
JUN	133	DEC	---

TOTAL DISCHARGE, 3 230 dam³

OPUNTIA LAKE WEST INFLOW - STATION NO. 05GC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0.001	0.005	0	0	0	---	---	1
2	---	---	0 B	0	0	0.001	0.006	0	0	0	---	---	2
3	---	---	0 B	0	0	0.001	0.162	0	0	0	---	---	3
4	---	---	0 B	0	0	0.001	0.008	0	0	0	---	---	4
5	---	---	0 B	0	0	0.001	0.004	0	0	0	---	---	5
6	---	---	0.001B	0	0	0.001	0.004	0	0	0	---	---	6
7	---	---	0.195B	0	0	0.001	0.004	0	0	0	---	---	7
8	---	---	0.515B	0	0	0.105	0.001	0	0	0	---	---	8
9	---	---	0.399B	0	0	0.053	0.001	0	0	0	---	---	9
10	---	---	0.142B	0	0	0.002	0	0	0	0	---	---	10
11	---	---	0.100B	0	0	0.001	0	0	0	0	---	---	11
12	---	---	0.039B	0	0	0.001	0.001	0	0	0	---	---	12
13	---	---	0.003B	0	0	0.001	0.002	0	0	0	---	---	13
14	---	---	0.004B	0	0	0.001	0.004	0	0	0	---	---	14
15	---	---	0.005B	0	0	0	0.005	0	0	0	---	---	15
16	---	---	0.035B	0	0	0	0.003	0	0	0	---	---	16
17	---	---	0.017B	0	0	0.002	0.002	0	0	0	---	---	17
18	---	---	0.006B	0	0	0.005	0.002	0	0	0	---	---	18
19	---	---	0.009B	0	0	0.005	0.002	0	0	0	---	---	19
20	---	---	0.006B	0	0	0.005	0.002	0	0	0	---	---	20
21	---	---	0.003B	0	0	0.004	0.001	0	0	0	---	---	21
22	---	---	0.001B	0	0	0.004	0.001	0	0	0	---	---	22
23	---	---	0 B	0	0	0.005	0.001	0	0	0	---	---	23
24	---	---	0 B	0	0	0.005	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0.005	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0.005	0	0	0	0	---	---	26
27	---	---	0.002B	0	0	0.005	0	0	0	0	---	---	27
28	---	---	0.003B	0	0	0.005	0	0	0	0	---	---	28
29	---	---	0.001	0	0	0.005	0	0	0	0	---	---	29
30	---		0.001	0	0.034	0.005	0	0	0	0	---	---	30
31	---		0.001		0.029		0	0		0		---	31
TOTAL	---	---	1.488	0	0.063	0.236	0.221	0	0	0	---	---	TOTAL
MEAN	---	---	0.048	0	0.002	0.008	0.007	0	0	0	---	---	MEAN
MAX	---	---	0.515	0	0.034	0.105	0.162	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.515B ON MAR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.32B AT 11:48 CST ON MAR 08

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 47 15 N
LONG 108 37 30 W
DRAINAGE AREA, 94.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19.1
FEB	---	AUG	0
MAR	129	SEP	0
APR	0	OCT	0
MAY	5.44	NOV	---
JUN	20.4	DEC	---

TOTAL DISCHARGE, 174 dam³

OSCAR CREEK NEAR KRYDOR - STATION NO. 05GD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.099B	0.278B	0.109	0.029E	0.162	0.003	0	0	0.037	---	1
2	---	---	0.102B	0.242B	0.100	0.030E	0.163	0.002	0	0	0.028	---	2
3	---	---	0.112B	0.229B	0.090	0.031E	0.789	0.001	0	0	0.031	---	3
4	---	---	0.046B	0.207	0.082	0.031E	1.20	0.001	0	0	0.029	---	4
5	---	---	0.040B	0.164	0.078	0.032E	0.678	0	0	0	0.029	---	5
6	---	---	0.069B	0.132	0.076	0.034E	0.472	0	0	0	0.031A	---	6
7	---	---	0.116B	0.114	0.075	0.036E	0.381	0	0	0	---	---	7
8	---	---	0.232B	0.086	0.078	0.038E	0.390	0	0	0	---	---	8
9	---	---	0.186B	0.074	0.080	0.040E	0.297	0	0	0	---	---	9
10	---	---	0.176B	0.056	0.078	0.042E	0.295	0	0	0.001	---	---	10
11	---	---	0.094B	0.043	0.076	0.045E	0.338	0	0	0.001	---	---	11
12	---	---	0.141B	0.033	0.078	0.047E	0.330	0	0	0.002	---	---	12
13	---	---	0.070B	0.049	0.090	0.050E	0.324	0	0.001	0.003	---	---	13
14	---	---	0.067B	0.041	0.087	0.059A	0.270	0	0.003	0.004	---	---	14
15	---	---	0.187B	0.029	0.083	0.063	0.251	0	0.003	0.002	---	---	15
16	---	---	0.270B	0.021	0.080	0.065	0.200	0	0.001	0.001	---	---	16
17	---	---	0.348B	0.014	0.075	0.068	0.160	0	0	0.002	---	---	17
18	---	---	0.182B	0.011	0.085	0.069	0.140	0	0	0.003	---	---	18
19	---	---	0.174B	0.014	0.093	0.070	0.100	0	0	0.005	---	---	19
20	---	---	0.285B	0.019	0.097	0.072	0.072	0	0	0.006	---	---	20
21	---	---	0.208B	0.020	0.090	0.073	0.060	0	0	0.009	---	---	21
22	---	---	0.082B	0.030	0.075	0.075	0.050	0	0	0.010	---	---	22
23	---	---	0.046B	0.056	0.087	0.078	0.038	0	0	0.019	---	---	23
24	---	---	0.049B	0.075	0.080	0.082	0.029	0	0	0.021	---	---	24
25	---	---	0.060B	0.113	0.065	0.086	0.025	0	0	0.023	---	---	25
26	---	0.038B	0.039B	0.118	0.052	0.090	0.022	0	0	0.023	---	---	26
27	---	0.036B	0.075B	0.110	0.050A	0.095	0.016	0	0	0.049	---	---	27
28	---	0.038B	0.202B	0.112	0.036E	0.106	0.013	0	0	0.041	---	---	28
29	---		0.513B	0.114	0.033E	0.133	0.010	0	0	0.037	---	---	29
30	---		0.372B	0.115	0.031E	0.168	0.008	0	0	0.037	---	---	30
31	---		0.290B		0.030E		0.005	0		0.039		---	31
TOTAL	---	---	5.012	2.719	2.319	1.937	7.288	0.007	0.008	0.338	---	---	TOTAL
MEAN	---	---	0.162	0.091	0.075	0.065	0.235	0	0	0.011	---	---	MEAN
MAX	---	---	0.513	0.278	0.109	0.168	1.20	0.003	0.003	0.049	---	---	MAX
MIN	---	---	0.039	0.011	0.030	0.029	0.005	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 1.20 ON JUL 04
MINIMUM DAILY, 0 ON AUG 05
MAXIMUM INSTANTANEOUS,
1.46 AT 16:20 CST ON JUL 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 27 N
LONG 107 07 41 W
DRAINAGE AREA, 240 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	630
FEB	---	AUG	0.605
MAR	433	SEP	0.691
APR	235	OCT	29.2
MAY	200	NOV	---
JUN	167	DEC	---

TOTAL DISCHARGE, 1 700 dam³

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.8B	12.8B	11.7B	11.0B	19.0	20.6	19.1	15.2	13.5	13.6	14.4	13.9E	1
2	13.8B	12.8B	11.7B	11.2B	19.4	20.0	19.1	14.3	13.4A	13.6	14.4	13.9E	2
3	13.7B	12.8B	11.8B	11.3B	19.6	19.6	19.1	14.4	12.8A	13.2	14.5	13.9E	3
4	13.7B	12.7B	11.9B	11.4B	19.9	19.2	18.6	14.4	12.4	13.1	14.5A	13.8A	4
5	13.7B	12.8B	11.7B	11.4B	20.5	18.7	18.5	14.0	12.3E	12.9	14.5E	13.8	5
6	13.7B	13.0B	11.5B	11.6B	21.3	18.3	18.3	14.1	12.1E	13.0	14.5A	13.7	6
7	13.6B	12.9B	11.4B	11.8B	22.1	18.4	18.2	13.4	11.9A	13.5	14.6	13.7B	7
8	13.6B	12.8B	11.5B	12.0B	23.3	17.5	18.7	13.2	11.8E	13.9	14.5	13.7B	8
9	13.6B	12.8B	11.5B	12.0B	24.5	17.8	18.6	13.5	11.6E	13.7	14.5	13.8B	9
10	13.5B	12.9B	11.5B	12.2B	25.3	17.5	18.5	13.3	11.5E	13.8	14.5	13.8B	10
11	13.5B	13.0B	11.4B	12.5B	25.7	17.6	17.9	13.1	11.3E	13.8	14.6	13.7B	11
12	13.5B	12.8B	11.4B	12.6B	26.1	17.4	17.8	12.9	11.1E	14.4A	14.8	13.7B	12
13	13.4B	12.9B	11.4B	12.9	26.4	16.9	17.2A	12.6	11.1E	14.7A	14.8	13.8B	13
14	13.4B	12.8B	11.4B	12.9	26.4	16.9	16.7A	12.5	11.0E	14.5	14.7	13.8B	14
15	13.3B	12.6B	11.4B	12.9	26.1	17.2	16.2A	12.2	10.9E	14.4	14.6	13.8B	15
16	13.2B	12.5B	11.5B	12.8	25.9	17.5	16.3	12.1	10.8E	14.6	14.6	13.8B	16
17	13.2B	12.3B	11.4B	12.7	25.4	17.4	16.4	12.1	10.7E	14.8	14.8	13.6B	17
18	13.1B	12.2B	11.4B	12.8	25.0	17.7	16.5	12.0A	10.6E	15.0	14.9	13.5B	18
19	13.0B	12.1B	11.1B	13.0	24.6	17.8	16.7	11.8	10.6E	14.9	14.9	13.5B	19
20	12.9B	11.9B	11.1B	13.3	24.4	18.1	16.9	11.5	10.7E	14.8	14.5	13.4B	20
21	12.9B	11.6B	10.9B	13.8	24.1	18.6	17.0	11.6	10.9E	14.9	14.6	13.4B	21
22	12.8B	11.7B	10.9B	14.5	23.8	18.9	17.2	12.0	11.3E	15.1	14.6	13.3B	22
23	12.8B	11.7B	11.0B	15.1	23.4	19.0	17.2	12.5A	11.7E	14.8	14.6	13.2B	23
24	12.8B	11.7B	11.1B	15.9	23.1	18.6A	17.0	12.7E	12.0E	15.0	14.6	13.2B	24
25	12.9B	11.9B	11.0B	16.6	23.0	19.0	17.0	13.0E	12.7A	14.8	14.5A	13.1B	25
26	12.9B	11.7B	11.2B	17.0	23.0	19.1	16.9	13.2E	13.1A	14.7	14.4E	13.1B	26
27	12.9B	11.6B	11.1B	17.6	22.9	18.9	16.7	13.4E	13.5A	14.8	14.3E	13.0B	27
28	12.9B	11.7B	11.1B	18.2	22.5	18.5	16.3	13.6A	13.7	15.0	14.2E	13.0B	28
29	12.9B		11.0B	18.5	22.1	18.5	15.9	13.7	13.6	14.4	14.1E	12.9B	29
30	12.9B		10.9B	18.7	21.8	18.8	15.7	13.6	13.3	14.4	14.0E	12.9B	30
31	12.9B		10.9B		21.7		15.6	13.5		14.5		12.8B	31
TOTAL	410.8	347.0	350.8	410.2	722.3	550.0	538.1	405.7	358.1	442.6	436.0	418.4	TOTAL
MEAN	13.3	12.4	11.3	13.7	23.3	18.3	17.4	13.1	11.9	14.3	14.5	13.5	MEAN
MAX	13.8	13.0	11.9	18.7	26.4	20.6	19.1	15.2	13.7	15.1	14.9	13.9	MAX
MIN	12.8	11.6	10.9	11.0	19.0	16.9	15.6	11.5	10.6	12.9	14.0	12.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.8
MAXIMUM DAILY, 26.4 ON MAY 13
MINIMUM DAILY, 10.6E ON SEP 18
MAXIMUM INSTANTANEOUS,
26.5 AT 16:19 CST ON MAY 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 55 40 N
LONG 107 29 20 W
DRAINAGE AREA, 2 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	35 500	JUL	46 500
FEB	30 000	AUG	35 100
MAR	30 300	SEP	30 900
APR	35 400	OCT	38 200
MAY	62 400	NOV	37 700
JUN	47 500	DEC	36 100

TOTAL DISCHARGE, 466 000 dam³

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.114B	0.238B	2.87	1.63	3.36	0.360	0.166	0.128E	---	---	1
2	---	---	0.114B	0.280B	2.99	1.43	3.23	0.840	0.142	0.142E	---	---	2
3	---	---	0.114B	0.268B	3.21	1.35	3.27	0.620	0.124	0.156E	---	---	3
4	---	---	0.114B	0.533B	3.50	1.27	4.60	0.614	0.116	0.170E	---	---	4
5	---	---	0.114B	0.652B	4.03	1.28	5.37	0.808	0.084	0.180E	---	---	5
6	---	---	0.114B	1.29 B	4.52	1.18	5.81	0.837	0.050	0.186E	---	---	6
7	---	---	0.107B	0.961B	4.77	1.12	5.56	0.721	0.037	0.192E	---	---	7
8	---	---	0.123B	0.989B	5.76	1.06	5.00	0.673	0.032	0.198E	---	---	8
9	---	---	0.129B	1.03 B	7.08	1.02	4.41	0.584	0.036	0.200E	---	---	9
10	---	---	0.117B	1.20 B	6.94	1.00	3.70	0.525	0.034	0.198E	---	---	10
11	---	---	0.122B	0.787B	7.12	1.10	3.03	0.461	0.019	0.194E	---	---	11
12	---	---	0.121B	0.661B	7.11	1.23	2.35	0.375	0.014	0.180E	---	---	12
13	---	---	0.125B	0.726B	6.72	1.46	1.91	0.314	0.016	0.165E	---	---	13
14	---	---	0.114B	0.745B	6.17	1.57	1.54	0.268	0.019	0.150E	---	---	14
15	---	---	0.109B	0.698B	5.50	1.54	1.26	0.199	0.022	0.135E	---	---	15
16	---	---	0.102B	0.928B	4.88	1.41	1.03	0.183	0.018	0.120E	---	---	16
17	---	---	0.115B	0.909B	4.32	1.36	0.901	0.209	0.018	0.110E	---	---	17
18	---	---	0.111B	1.12 B	3.95	1.31	0.781	0.199	0.010	0.102E	---	---	18
19	---	---	0.141B	1.52 B	3.69	1.23	0.674	0.131	0.012	0.098E	---	---	19
20	---	---	0.141B	2.09 B	3.66	1.22	0.566	0.121	0.014	0.096E	---	---	20
21	---	---	0.177B	2.55	3.71	1.03	0.502	0.122	0.010	0.092E	---	---	21
22	---	---	0.138B	2.72	3.54	0.884	0.413	0.118	0.020	0.093E	---	---	22
23	---	---	0.122B	3.01	3.40	0.807	0.330	0.114	0.039	0.094E	---	---	23
24	---	---	0.164B	3.36	3.21	0.783	0.284	0.118	0.041	0.096E	---	---	24
25	---	---	0.153B	3.68	2.94	0.741	0.226	0.148	0.035	0.098E	---	---	25
26	---	---	0.162B	3.92	2.69	0.669	0.255	0.145	0.064A	0.100E	---	---	26
27	---	---	0.237B	3.70	2.46	0.984	0.644	0.240	0.078E	0.102E	---	---	27
28	---	---	0.257B	3.15	2.26	2.15	0.713	0.320	0.090E	0.104E	---	---	28
29	---	---	0.178B	3.22	1.96	2.54	0.582	0.259	0.102E	0.106E	---	---	29
30	---		0.164B	3.18	1.85	2.89	0.455	0.181	0.114E	0.112E	---	---	30
31	---		0.104B		1.74		0.370	0.175		0.114A		---	31
TOTAL	---	---	4.217	50.115	128.55	39.248	63.123	10.982	1.576	4.213	---	---	TOTAL
MEAN	---	---	0.136	1.67	4.15	1.31	2.04	0.354	0.053	0.136	---	---	MEAN
MAX	---	---	0.257	3.92	7.12	2.89	5.81	0.840	0.166	0.200	---	---	MAX
MIN	---	---	0.102	0.238	1.74	0.669	0.226	0.114	0.010	0.092	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.23
MAXIMUM DAILY, 7.12 ON MAY 11
MINIMUM DAILY, 0.010 ON SEP 18
MAXIMUM INSTANTANEOUS,
7.82 AT 00:11 CST ON MAY 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 01 51 N
LONG 102 18 58 W
DRAINAGE AREA, 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 450
FEB	---	AUG	949
MAR	364	SEP	136
APR	4 330	OCT	364
MAY	11 100	NOV	---
JUN	3 390	DEC	---

TOTAL DISCHARGE, 26 100 dam³

PAGATO RIVER AT OUTLET OF PAGATO LAKE - STATION NO. 06EA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.63	1.53	1.53B	1.32	1.98	5.84	6.18	3.76	1.95	1.27	2.24	2.30B	1
2	1.61	1.52	1.50B	1.31	1.95	5.76	6.18	3.65	1.94	1.30	2.25	2.23B	2
3	1.60	1.57	1.49	1.30	2.13	5.69	6.06	3.52	1.94	1.43	2.23	2.18B	3
4	1.56	1.58	1.56	1.29	2.19	5.69	5.95	3.40	1.85	1.48	2.22	2.19B	4
5	1.54	1.58	1.57	1.26	2.25	5.74	5.86	3.30	1.87	1.45	2.25	2.23B	5
6	1.57	1.58	1.56	1.23	2.32	5.85	5.72	3.19	1.81	1.41	2.24	2.21B	6
7	1.60	1.59	1.56	1.24	2.47	5.76	5.66	3.11	1.76	1.38	2.23	2.27B	7
8	1.63	1.60	1.51	1.22	2.62	5.74	5.73	3.03	1.71	1.35	2.23	2.32B	8
9	1.63	1.60	1.54	1.20	2.79	5.82	5.66	2.88	1.65	1.29	2.24	2.31B	9
10	1.64	1.59	1.63	1.18	3.04	5.77	5.62	2.81	1.61	1.41	2.23	2.29B	10
11	1.63	1.57	1.64	1.17	3.22	6.00	5.52	2.70	1.64	1.65	2.23	2.28B	11
12	1.60	1.55	1.64	1.18	3.38	6.27	5.41	2.60	1.55	1.63	2.20	2.31B	12
13	1.60	1.52	1.60	1.16	3.51	6.48	5.31	2.70	1.55	1.74	2.21	2.28B	13
14	1.59	1.51	1.56	1.17	3.64	6.35	5.10	2.57	1.57	1.81	2.21	2.25B	14
15	1.61	1.49	1.51	1.16	3.83	6.26	5.01	2.49	1.52	1.84	2.24	2.23B	15
16	1.58	1.49	1.55	1.18	3.97	6.31	4.99	2.41	1.48	1.90	2.23	2.25B	16
17	1.56	1.48	1.50	1.20	4.12	6.38	4.93	2.34	1.44	1.94	2.25B	2.20B	17
18	1.53	1.49	1.46	1.17	4.22	6.46	4.82	2.21	1.44	1.94	2.25B	2.16B	18
19	1.51	1.52	1.49	1.14	4.50	6.45	4.68	2.17	1.44	2.01	2.27B	2.10B	19
20	1.51	1.55	1.49	1.12A	4.65	6.42	4.80	2.10	1.45	2.03	2.30B	2.04B	20
21	1.56	1.55	1.47	1.17E	4.84	6.43	4.60	2.10	1.45	2.07	2.30B	1.99B	21
22	1.58	1.52	1.40	1.20E	4.97	6.30	4.50	2.05	1.41	2.08	2.35B	1.97B	22
23	1.59	1.48	1.38	1.23E	5.13	6.17	4.41	2.10	1.42	2.17	2.34B	1.97B	23
24	1.60	1.45	1.41	1.30A	5.25	6.16	4.37	2.02	1.44	2.19	2.32B	1.94B	24
25	1.63	1.44	1.43	1.46	5.40	6.15	4.18	1.95	1.41	2.20	2.27B	1.93B	25
26	1.65	1.48	1.35	1.55	5.45	6.04	4.09	1.86	1.40	2.27	2.20B	1.93B	26
27	1.60	1.49	1.34	1.61	5.51	5.97	4.11	1.81	1.41	2.21	2.17B	1.90B	27
28	1.59	1.48	1.34	1.73	5.46	6.00	4.25	1.82	1.35	2.18	2.16B	1.96B	28
29	1.59		1.34	1.99	5.48	5.97	4.01	1.80	1.25	2.22	2.15B	1.96B	29
30	1.57		1.33	1.94	5.48	5.98	3.83	1.77	1.27	2.21	2.24B	1.98B	30
31	1.54		1.33		5.49		3.75	2.11		2.24		1.99B	31
TOTAL	49.23	42.80	46.04	39.38	121.24	182.21	155.52	78.33	46.98	56.30	67.25	66.15	TOTAL
MEAN	1.59	1.53	1.49	1.31	3.91	6.07	5.02	2.53	1.57	1.82	2.24	2.13	MEAN
MAX	1.65	1.60	1.64	1.99	5.51	6.48	6.18	3.76	1.95	2.27	2.35	2.32	MAX
MIN	1.51	1.44	1.33	1.12	1.95	5.69	3.75	1.77	1.25	1.27	2.15	1.90	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.61
MAXIMUM DAILY, 6.48 ON JUN 13
MINIMUM DAILY, 1.12A ON APR 20
MAXIMUM INSTANTANEOUS,
6.56 AT 18:26 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 06 43 N
LONG 102 30 35 W
DRAINAGE AREA, 961 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 250	JUL	13 400
FEB	3 700	AUG	6 770
MAR	3 980	SEP	4 060
APR	3 400	OCT	4 860
MAY	10 500	NOV	5 810
JUN	15 700	DEC	5 720

TOTAL DISCHARGE, 82 200 dam³

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	0.003B	0.779	0.983	1.82	0.281E	0.026	0.031	---	---	1
2	---	---	0.001B	0.003B	0.779	0.887	1.27	0.225E	0.028	0.037	---	---	2
3	---	---	0.001B	0.003B	0.775	0.815	1.58	0.175E	0.029	0.042	---	---	3
4	---	---	0.001B	0.004B	1.47	0.745	7.04	0.140E	0.027	0.048	---	---	4
5	---	---	0.001B	0.005B	2.69	0.725	5.54	0.122E	0.019	0.054	---	---	5
6	---	---	0.001B	0.006B	3.60	0.696	3.74	0.115E	0.016	0.060	---	---	6
7	---	---	0.001B	0.006B	3.41	0.654	3.53	0.092E	0.018	0.062	---	---	7
8	---	---	0.001B	0.005B	2.38	0.630	2.85	0.082A	0.010	0.074	---	---	8
9	---	---	0.001B	0.002B	2.52	0.707	2.38	0.071	0.011	0.088	---	---	9
10	---	---	0.001B	0 B	3.45	0.919	1.93	0.068	0.011	0.103	---	---	10
11	---	---	0.001B	0 B	4.22	1.23	1.56	0.064	0.013	0.118	---	---	11
12	---	---	0.001B	0 B	4.02	1.22	1.21	0.058	0.014	0.120	---	---	12
13	---	---	0.001B	0 B	3.45	0.929	0.930	0.055	0.015	0.097	---	---	13
14	---	---	0.001B	0 B	3.27	0.859	0.723	0.055	0.016	0.076	---	---	14
15	---	---	0.001B	0 B	3.33	0.753	0.582	0.053	0.017	0.079	---	---	15
16	---	---	0.001B	0 B	4.51	0.660	0.479	0.049	0.015	0.073	---	---	16
17	---	---	0.001B	0.010B	3.80	0.611	0.447	0.056	0.015	0.069	---	---	17
18	---	---	0.001B	0.070B	3.35	0.576	0.424	0.046	0.010	0.091	---	---	18
19	---	---	0.001B	0.080B	3.57	0.519	0.406	0.041	0.009	0.056	---	---	19
20	---	---	0.001B	0.043B	3.78	0.468	0.386E	0.036	0.015	0.074	---	---	20
21	---	---	0.001B	0.100B	3.83	0.438	0.384E	0.034	0.015	0.069	---	---	21
22	---	---	0.001B	0.300B	3.56	0.411	0.380E	0.031	0.022	0.075	---	---	22
23	---	---	0.001B	0.900B	3.38	0.382	0.369E	0.033	0.023	0.079	---	---	23
24	---	---	0.001B	2.14 B	2.85	0.330	0.350E	0.028	0.017	0.071	---	---	24
25	---	---	0.001B	2.03 B	2.43	0.292	0.307E	0.031	0.013	0.077	---	---	25
26	---	---	0.001B	1.17 B	2.11	0.337	0.282E	0.030	0.012	0.076	---	---	26
27	---	---	0.001B	1.04 B	1.86	1.31	0.629A	0.052	0.016	0.083	---	---	27
28	---	---	0.001B	0.773	1.61	2.53	0.641	0.044	0.017	0.092	---	---	28
29	---	---	0.002B	0.781	1.40	4.58	0.522	0.039	0.022	0.083	---	---	29
30	---		0.003B	0.934	1.21	2.66	0.452	0.031	0.027	0.084	---	---	30
31	---		0.003B		1.09		0.363	0.034		0.082A		---	31
TOTAL	---	---	0.036	10.408	84.483	26.858	43.506	2.271	0.517	2.323	---	---	TOTAL
MEAN	---	---	0.001	0.347	2.73	0.895	1.40	0.073	0.017	0.075	---	---	MEAN
MAX	---	---	0.003	2.14	4.51	2.66	7.04	0.281	0.028	0.120	---	---	MAX
MIN	---	---	0.001	0	0.775	0.292	0.282	0.028	0.009	0.031	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.696
MAXIMUM DAILY, 7.04 ON JUL 04
MINIMUM DAILY, 0B ON APR 10
MAXIMUM INSTANTANEOUS,
10.2 AT 15:21 CST ON JUL 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 13 20 N
LONG 102 06 15 W
DRAINAGE AREA, 74.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 760
FEB	---	AUG	196
MAR	3.11	SEP	44.7
APR	899	OCT	201
MAY	7 300	NOV	---
JUN	2 320	DEC	---

TOTAL DISCHARGE, 14 700 dam³

PELICAN LAKE AT PELICAN NARROWS - STATION NO. 05KG009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	313.547	313.792	---	---	---	---	---	1
2	---	---	---	---	---	313.559	313.790	---	---	---	---	---	2
3	---	---	---	---	---	---	313.790	---	---	---	---	---	3
4	---	---	---	---	---	313.585	313.790	313.787	---	---	---	---	4
5	---	---	---	---	---	313.587	313.791	313.785	---	---	---	---	5
6	---	---	---	---	---	313.595	313.821	313.782	---	---	---	---	6
7	---	---	---	---	---	313.604	---	313.778	---	---	---	---	7
8	---	---	---	---	---	313.609	---	---	---	---	---	---	8
9	---	---	---	---	---	313.623	313.829	313.748	---	---	---	---	9
10	---	---	---	---	---	---	313.830	313.751	---	---	---	---	10
11	---	---	---	---	---	---	313.838	---	---	---	---	---	11
12	---	---	---	---	---	313.662	313.846	313.740	---	---	---	---	12
13	---	---	---	---	---	---	313.846	---	---	---	---	---	13
14	---	---	---	---	---	313.660	---	313.730	---	---	---	---	14
15	---	---	---	---	---	313.686	---	---	---	---	---	---	15
16	---	---	---	---	---	---	313.819	---	---	---	---	---	16
17	---	---	---	---	---	313.695	---	---	---	---	---	---	17
18	---	---	---	---	---	313.701	313.809	---	---	---	---	---	18
19	---	---	---	---	---	313.708	---	313.723	---	---	---	---	19
20	---	---	---	---	313.447	313.715	---	313.709	---	---	---	---	20
21	---	---	---	---	313.461	313.716	313.802	313.709	---	---	---	---	21
22	---	---	---	---	313.467	313.722	313.806	---	---	---	---	---	22
23	---	---	---	---	313.477	---	313.808	313.709	---	313.461	---	---	23
24	---	---	---	---	313.490	313.738	313.801	313.699	---	---	---	---	24
25	---	---	---	---	313.498	313.742	313.794	313.689	---	---	---	---	25
26	---	---	---	---	---	313.749	313.793	313.681	---	---	---	---	26
27	---	---	---	---	313.509	313.755	---	313.681	---	---	---	---	27
28	---	---	---	---	313.511	313.777	313.815	---	---	---	---	---	28
29	---		---	---	313.529	313.781	313.797	---	---	---	---	---	29
30	---		---	---	313.539	313.786	313.796	---	---	---	---	---	30
31	---		---		313.549		313.794	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 313.846 ON JUL 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 55 09 57 N
LONG 102 56 28 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 10 700 km²

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.10 B	0.236	0	0	0	0	0	---	---	1
2	---	---	0 B	11.2 B	0.137	0	0	0	0	0	---	---	2
3	---	---	0 B	15.3 B	0.084	0	0	0	0	0	---	---	3
4	---	---	0 B	15.5 B	0.108	0	0	0	0	0	---	---	4
5	---	---	0 B	7.94	0.028	0	0	0	0	0	---	---	5
6	---	---	0 B	4.74	0.011	0	0	0	0	0	---	---	6
7	---	---	0 B	3.72	0.018	0	0	0	0	0	---	---	7
8	---	---	0 B	2.41	0.026	0	0.003	0	0	0	---	---	8
9	---	---	0 B	1.40	0.028	0	0	0	0	0	---	---	9
10	---	---	0 B	0.974	0.017	0	0	0	0	0	---	---	10
11	---	---	0.157B	0.802	0.015	0	0	0	0	0	---	---	11
12	---	---	0.450B	0.656	0.014	0	0	0	0	0	---	---	12
13	---	---	1.07 B	0.670	0.013	0	0	0	0	0	---	---	13
14	---	---	0.991B	0.745	0.012	0	0	0	0	0	---	---	14
15	---	---	0.581B	1.04	0.011	0	0	0	0	0	---	---	15
16	---	---	0.275B	0.879	0.011	0	0	0	0	0	---	---	16
17	---	---	0.250B	0.640	0.012	0	0	0	0	0	---	---	17
18	---	---	0.215B	0.598	0.012	0	0	0	0	0	---	---	18
19	---	---	0.193B	0.500	0.011	0	0	0	0	0	---	---	19
20	---	---	0.186B	0.498	0.006	0	0	0	0	0	---	---	20
21	---	---	0.159B	0.499	0.002	0	0	0	0	0	---	---	21
22	---	---	0.112B	0.435	0.001	0	0	0	0	0	---	---	22
23	---	---	0.059B	0.348	0.001	0	0	0	0	0	---	---	23
24	---	---	0.031B	0.300	0.001	0	0	0	0	0	---	---	24
25	---	---	0.025B	0.269	0.001	0	0	0	0	0	---	---	25
26	---	---	0.022B	0.239	0.001	0	0	0	0	0	---	---	26
27	---	---	0.021B	0.237	0.001	0	0	0	0	0	---	---	27
28	---	---	0.023B	0.248	0.001	0	0	0	0	0	---	---	28
29	---	---	0.098B	0.252	0	0	0	0	0	0	---	---	29
30	---		3.36 B	0.230	0	0	0	0	0	0	---	---	30
31	---		8.36 B		0		0	0		0		---	31
TOTAL	---	---	16.638	82.377	0.819	0	0.003	0	0	0	---	---	TOTAL
MEAN	---	---	0.537	2.75	0.026	0	0	0	0	0	---	---	MEAN
MAX	---	---	8.36	15.5	0.236	0	0.003	0	0	0	---	---	MAX
MIN	---	---	0	0.230	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.407
MAXIMUM DAILY, 15.5B ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
19.8B AT 19:58 CST ON APR 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 00 N
LONG 103 19 41 W
DRAINAGE AREA, 1 150 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.259
FEB	---	AUG	0
MAR	1 440	SEP	0
APR	7 120	OCT	0
MAY	70.8	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 8 630 dam³

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0.001	0	0	0	0	0	---	---	1
2	---	---	0.002B	0	0.001	0	0	0	0	0	---	---	2
3	---	---	0.004B	0	0.001	0	0	0	0	0	---	---	3
4	---	---	0.005B	0.004	0.001	0	0	0	0	0	---	---	4
5	---	---	0.004B	0.004	0.001	0	0	0	0	0	---	---	5
6	---	---	0.002B	0.001	0.001	0	0	0	0	0	---	---	6
7	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	7
8	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	8
9	---	---	0 B	0.001	0.001	0	0	0	0	0	---	---	9
10	---	---	0 B	0.001	0.001	0	0	0	0	0	---	---	10
11	---	---	0 B	0.001	0.001	0	0	0	0	0	---	---	11
12	---	---	0 B	0.001	0.001	0	0	0	0	0	---	---	12
13	---	---	0 B	0.001	0.001	0	0	0	0	0	---	---	13
14	---	---	0.002B	0.001	0.001	0	0	0	0	0	---	---	14
15	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	15
16	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	16
17	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	17
18	---	---	0.001B	0.001	0.001	0	0	0	0	0	---	---	18
19	---	---	0.001B	0	0.004	0	0	0	0	0	---	---	19
20	---	---	0.001B	0	0.005	0	0	0	0	0	---	---	20
21	---	---	0.001B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.001B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.001B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.001B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.001B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.001B	0	0	0	0	0	0	0	---	---	26
27	---	0B	0 B	0	0	0	0	0	0	0	---	---	27
28	---	0B	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0.001B	0.001	0	0	0	0	0	0	---	---	29
30	---		0.001	0.001	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.035	0.023	0.027	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.001	0.001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.005	0.004	0.005	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.005B ON MAR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.032 AT 21:51 CST ON MAY 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 53 N
LONG 106 43 30 W
DRAINAGE AREA, 1 870 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3.02	SEP	0
APR	1.99	OCT	0
MAY	2.33	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 7.34 dam³

PIPESTONE CREEK ABOVE MOOSOMIN LAKE - STATION NO. 05NE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.59 B	0.037	0.001	0	0	0	0	---	---	1
2	---	---	0 B	5.70 B	0.062	0.001	0	0	0	0	---	---	2
3	---	---	0 B	5.67 B	0.096	0.001	0.003	0	0	0	---	---	3
4	---	---	0 B	5.32	0.089	0.001	0.002	0	0	0	---	---	4
5	---	---	0 B	4.07	0.097	0.001	0.001	0	0	0	---	---	5
6	---	---	0 B	2.62 A	0.106	0.001	0.005	0	0	0	---	---	6
7	---	---	0 B	1.41	0.101	0.001	0.011	0	0	0	---	---	7
8	---	---	0 B	0.758A	0.079	0.001	0.017	0	0	0	---	---	8
9	---	---	0 B	0.648	0.044	0.001	0.017	0	0	0	---	---	9
10	---	---	0 B	0.616	0.026	0.001	0.015	0	0	0	---	---	10
11	---	---	0 B	0.585	0.024	0.001	0.016	0	0	0	---	---	11
12	---	---	0 B	0.494	0.017	0.001	0.013	0	0	0	---	---	12
13	---	---	0.030B	0.532	0.014	0.001	0.006	0	0	0	---	---	13
14	---	---	0.100B	0.534	0.006	0.001	0	0	0	0	---	---	14
15	---	---	0.350B	0.409	0.009	0.001	0	0	0	0	---	---	15
16	---	---	1.00 B	0.373	0.086	0.001	0	0	0	0	---	---	16
17	---	---	1.50 B	0.373	0.052	0.002	0	0	0	0	---	---	17
18	---	---	1.00 B	0.343	0.025	0.004	0	0	0	0	---	---	18
19	---	---	0.750B	0.338	0.038	0.340	0	0	0	0	---	---	19
20	---	---	0.599B	0.327	0.049	0.550	0	0	0	0	---	---	20
21	---	---	0.400B	0.279	0.049	0.553	0	0	0	0	---	---	21
22	---	---	0.300B	0.250	0.076	0.178	0	0	0	0	---	---	22
23	---	---	0.220B	0.233	0.087	0.032	0	0	0	0	---	---	23
24	---	---	0.160B	0.185	0.063	0.003	0	0	0	0	---	---	24
25	---	---	0.120B	0.125	0.035	0	0	0	0	0	---	---	25
26	---	---	0.093B	0.112	0.019	0	0	0	0	0	---	---	26
27	---	---	0.071B	0.075	0.007	0	0	0	0	0	---	---	27
28	---	---	0.067B	0.046	0.002	0	0	0	0	0	---	---	28
29	---	---	0.035B	0.032	0.001	0	0	0	0	0	---	---	29
30	---		0.299B	0.019	0.001	0	0	0	0	0	---	---	30
31	---		2.99 B		0.001		0	0		0		---	31
TOTAL	---	---	10.084	37.066	1.398	1.678	0.106	0	0	0	---	---	TOTAL
MEAN	---	---	0.325	1.24	0.045	0.056	0.003	0	0	0	---	---	MEAN
MAX	---	---	2.99	5.70	0.106	0.553	0.017	0	0	0	---	---	MAX
MIN	---	---	0	0.019	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.205
MAXIMUM DAILY, 5.70B ON APR 02
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
6.10B AT 11:12 CST ON APR 02

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 07 N
LONG 101 50 06 W
DRAINAGE AREA, 2 730 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9.16
FEB	---	AUG	0
MAR	871	SEP	0
APR	3 200	OCT	0
MAY	121	NOV	---
JUN	145	DEC	---

TOTAL DISCHARGE, 4 350 dam³

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	3.00 B	0.150	0.010	0.184	0.091	0.166E	0.003	0.001A	---	1
2	---	---	0.010B	4.50 B	0.079	0.014	0.170	0.086	0.040E	0.004	---	---	2
3	---	---	0.010B	5.50 B	0.118	0.009	0.324	0.018	0.005E	0.004	---	---	3
4	---	---	0.010B	7.54	0.142	0.010	0.274	0.008	0.005E	0.008	---	---	4
5	---	---	0.010B	7.25	0.173	0.014	0.077	0.005	0.006A	0.005	---	---	5
6	---	---	0.010B	6.17	0.152	0.013	0.183	0.006	0.011	0.004	---	---	6
7	---	---	0.010B	4.92	0.172	0.014	0.324	0.007	0.004	0.004	---	---	7
8	---	---	0.010B	3.63	0.197	0.013	0.290	0.008	0.001	0.004	---	---	8
9	---	---	0.010B	2.78	0.159	0.012	0.166	0.007A	0.013	0.004A	---	---	9
10	---	---	0.010B	2.75	0.128	0.011	0.109	0.011E	0.003	0.003E	---	---	10
11	---	---	0.010B	2.12	0.116	0.014	0.090	0.016E	0.004	0.550A	---	---	11
12	---	---	0.010B	1.79	0.119	0.005	0.056	0.029E	0.003	0.840A	---	---	12
13	---	---	0.010B	1.52	0.140	0.004	0.021	0.053E	0.004	0.841E	---	---	13
14	---	---	0.010B	1.43	0.120	0.009	0.018	0.157E	0.002	0.843E	---	---	14
15	---	---	0.010B	1.33	0.091	0.006	0.018	0.278E	0.002	0.744E	---	---	15
16	---	---	0.010B	1.09	0.445	0.014	0.013	0.109E	0.005	0.633E	---	---	16
17	---	---	0.010B	0.207	0.243	0.822	0.012	0.029E	0.006	0.634E	---	---	17
18	---	---	0.010B	0.295	0.111	1.22	0.017	0.014E	0.010	0.636E	---	---	18
19	---	---	0.010B	0.410	0.065	1.25	0.029	0.020E	0.005A	0.633E	---	---	19
20	---	---	0.010B	0.484	0.063	1.41	0.042	0.004E	0.007E	0.632E	---	---	20
21	---	---	0.010B	0.548	0.112	1.33	0.046	0.015E	0.010E	0.630E	---	---	21
22	---	---	0.010B	0.567	0.153	1.14	0.034	0.004E	0.012E	0.626A	---	---	22
23	---	---	0.010B	0.599	0.104	0.910	0.037	0.005E	0.015E	0.614	---	---	23
24	---	---	0.010B	0.636	0.057	0.807	0.065	0.036E	0.017A	0.620	---	---	24
25	---	---	0.010B	0.637	0.037	0.710	0.076	0.044E	0.002	0.625	---	---	25
26	---	---	0.050B	0.574	0.036	0.531	0.090	0.047E	0.004	0.618	---	---	26
27	---	---	0.200B	0.431	0.032	0.408	0.032	0.057E	0.004	0.612	---	---	27
28	---	---	0.350B	0.358	0.013	0.368	0.022	0.043E	0.009	0.611	---	---	28
29	---	---	0.900B	0.341	0.014	0.362	0.051	0.047E	0.006	0.585	---	---	29
30	---		1.50 B	0.342	0.009	0.184	0.063	0.118E	0.003	0.505	---	---	30
31	---		2.00 B		0.007		0.089	0.256E		0.026		---	31
TOTAL	---	---	5.250	63.749	3.557	11.624	3.022	1.628	0.384	13.101	---	---	TOTA
MEAN	---	---	0.169	2.13	0.115	0.388	0.098	0.053	0.013	0.423	---	---	MEAN
MAX	---	---	2.00	7.54	0.445	1.41	0.324	0.278	0.166	0.843	---	---	MAX
MIN	---	---	0.010	0.207	0.007	0.004	0.012	0.004	0.001	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.418
MAXIMUM DAILY, 7.54 ON APR 04
MINIMUM DAILY, 0.001 ON SEP 08
MAXIMUM INSTANTANEOUS,
7.74 AT 14:58 CST ON APR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 40 N
LONG 101 40 33 W
DRAINAGE AREA, 3 650 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	261
FEB	---	AUG	141
MAR	454	SEP	33.2
APR	5 510	OCT	1 130
MAY	307	NOV	---
JUN	1 000	DEC	---

TOTAL DISCHARGE, 8 840 dam³

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.820A	0.009	0.001	0	0	0	---	---	1
2	---	---	0B	0.002B	0.703	0.153	0	0	0	0	---	---	2
3	---	---	0B	0.010B	0.620	0.067	0.001	0	0	0	---	---	3
4	---	---	0B	0.017B	0.545	0.034	0.005	0	0	0	---	---	4
5	---	---	0B	0.018B	0.485	0.049	0.008	0	0	0	---	---	5
6	---	---	0B	0.021B	0.406	0.037	0.009	0	0	0	---	---	6
7	---	---	0B	0.615B	0.336	0.034	0.008	0	0	0	---	---	7
8	---	---	0B	1.76 B	0.295	0.033	0.005	0	0	0	---	---	8
9	---	---	0B	9.63 B	0.289	0.027	0.002	0	0	0	---	---	9
10	---	---	0B	13.1 B	0.276	0.094	0.001	0	0	0	---	---	10
11	---	---	0B	12.5 B	0.229	0.044	0	0	0	0	---	---	11
12	---	---	0B	12.5 B	0.172	0.019	0	0	0	0	---	---	12
13	---	---	0B	11.1	0.114	0.013	0	0	0	0	---	---	13
14	---	---	0B	8.99	0.079	0.014	0	0	0	0	---	---	14
15	---	---	0B	7.70	0.075	0.015	0	0	0	0	---	---	15
16	---	---	0B	7.15	0.045	0.015	0	0	0	0	---	---	16
17	---	---	0B	6.55 A	0.030	0.015	0	0	0	0	---	---	17
18	---	---	0B	6.06	0.029	0.012	0	0	0	0	---	---	18
19	---	---	0B	5.45	0.040	0.011	0	0	0	0	---	---	19
20	---	---	0B	5.19	0.033	0.025	0	0	0	0	---	---	20
21	---	---	0B	6.07	0.025	0.019	0	0	0	0	---	---	21
22	---	---	0B	6.44	0.027	0.017	0	0	0	0	---	---	22
23	---	---	0B	5.26	0.031	0.014	0	0	0	0	---	---	23
24	---	---	0B	4.11	0.025	0.009	0	0	0	0	---	---	24
25	---	---	0B	3.31 A	0.022	0.004	0	0	0	0	---	---	25
26	---	---	0B	2.78 E	0.036	0.002	0	0	0	0	---	---	26
27	---	---	0B	2.29 E	0.029	0.002	0	0	0	0	---	---	27
28	---	---	0B	1.82 E	0.026	0.005	0	0	0	0	---	---	28
29	---	---	0B	1.41 E	0.023	0.005	0	0	0	0	---	---	29
30	---		0B	1.07 E	0.018	0.003	0	0	0	0	---	---	30
31	---		0B		0.014		0	0		0		---	31
TOTAL	---	---	0	142.923	5.897	0.800	0.040	0	0	0	---	---	TOTA
MEAN	---	---	0	4.76	0.190	0.027	0.001	0	0	0	---	---	MEAN
MAX	---	---	0	13.1	0.820	0.153	0.009	0	0	0	---	---	MAX
MIN	---	---	0	0	0.014	0.002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.611
MAXIMUM DAILY, 13.1B ON APR 10
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
13.6B AT 00:05 CST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 17 21 N
LONG 103 40 20 W
DRAINAGE AREA, 843 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.46
FEB	---	AUG	0
MAR	0	SEP	0
APR	12 300	OCT	0
MAY	510	NOV	---
JUN	69.1	DEC	---

TOTAL DISCHARGE, 12 900 dam³

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.97	3.00	2.92A	2.49A	4.11E	3.76	4.74	3.12	2.11	2.57	2.95E	2.89E	1
2	3.05	2.93	2.91A	2.58	4.17E	3.66	4.76	3.05	2.14	2.51	2.94E	2.88E	2
3	3.13	2.89	2.93	2.72	4.26E	3.59	4.71	2.94	2.19	2.71	2.93E	2.87E	3
4	3.22	2.90	2.93	2.92A	4.33A	3.58	4.71	2.91	2.18	2.78	2.96E	2.86E	4
5	3.25	2.83	3.01	3.14E	4.39A	3.57	4.67	2.89	2.17	2.78	2.98E	2.85E	5
6	3.29	2.80	3.10	3.35A	4.34A	3.56	4.60	2.85	2.13	2.79	2.98E	2.84E	6
7	3.30	2.75	3.15	3.43	4.35E	3.51	4.62	2.84	2.17	2.80	2.98E	2.88E	7
8	3.28	2.70	3.18	3.44A	4.38E	3.52	4.56	2.69	2.14	2.78	2.98E	2.89E	8
9	3.25	2.70	3.20	3.42E	4.39E	3.44	4.48	2.69	2.18	2.83	2.95E	2.90E	9
10	3.18	2.70	3.18	3.38E	4.40E	3.41	4.39	2.57	2.20	2.82	2.91E	2.93E	10
11	3.12	2.75	3.17	3.36A	4.39E	3.40	4.31	2.52	2.21	2.82	2.89E	2.97E	11
12	3.06	2.82	3.19	3.31A	4.39E	3.92	4.23	2.55	2.35	2.78	2.87E	3.00E	12
13	2.99	2.89	3.25	3.23E	4.38E	4.14	4.06	2.56	2.69	2.83	2.85E	3.02E	13
14	2.98	2.97	3.28	3.15E	4.39E	4.16	3.89	2.51	2.71	2.92	2.83E	3.00E	14
15	2.97	3.06	3.30	3.09A	4.42A	4.27	3.80	2.43	2.75	2.96	2.82E	2.96E	15
16	3.04	3.15	3.28	3.07A	4.46E	4.36	3.72	2.40	2.81	2.98	2.82E	2.92E	16
17	3.08	3.17	3.24A	3.03A	4.50E	4.40	3.71	2.37	2.82	3.00	2.82E	2.89E	17
18	3.16	3.15	3.22A	3.02A	4.53E	4.44	3.80	2.41	2.85	2.96	2.82E	2.84E	18
19	3.16	3.17	3.14A	3.03A	4.58E	4.47	3.82	2.41	2.78	2.96	2.82E	2.80E	19
20	3.22	3.19	3.15E	3.13E	4.62E	4.56	3.86	2.41	2.82	3.00	2.82E	2.78E	20
21	3.18	3.14	3.11A	3.26A	4.66A	4.70	3.91	2.34	2.83	3.04	2.83E	2.76E	21
22	3.13	3.05	3.06	3.38	4.68A	4.62	3.93	2.36	2.87	3.02	2.84E	2.74E	22
23	3.09	2.96	3.01	3.53A	4.64A	4.55	3.89	2.36	2.83	3.04	2.86E	2.74E	23
24	3.04	2.88	2.96A	3.58A	4.61	4.44	3.82	2.34	2.83	3.09	2.87E	2.74E	24
25	2.97	2.83	2.89A	3.65E	4.52	4.33	3.71	2.25	2.82	3.09	2.89E	2.74E	25
26	3.02	2.83	2.78	3.73E	4.41	4.20	3.65	2.22	2.78	3.09	2.89E	2.74E	26
27	2.99	2.84	2.67	3.80E	4.25	4.24	3.56	2.21	2.69	3.05	2.89E	2.73E	27
28	2.98	2.88	2.55	3.89E	4.14	4.51	3.55	2.21	2.63	2.98	2.90E	2.72E	28
29	3.00		2.50	3.95E	4.05	4.54	3.37	2.20	2.66	2.98	2.90E	2.72E	29
30	3.01		2.49	4.02E	3.98	4.61	3.27	2.20	2.58	2.95	2.90E	2.71E	30
31	3.00		2.46A		3.84		3.17	2.12		2.96A		2.71E	31
TOTAL	96.11	81.93	93.21	99.08	135.56	122.46	125.27	77.83	75.92	89.87	86.69	88.02	TOTAL
MEAN	3.10	2.93	3.01	3.30	4.37	4.08	4.04	2.51	2.53	2.90	2.89	2.84	MEAN
MAX	3.30	3.19	3.30	4.02	4.68	4.70	4.76	3.12	2.87	3.09	2.98	3.02	MAX
MIN	2.97	2.70	2.46	2.49	3.84	3.40	3.17	2.12	2.11	2.51	2.82	2.71	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.21
MAXIMUM DAILY, 4.76 ON JUL 02
MINIMUM DAILY, 2.11 ON SEP 01
MAXIMUM INSTANTANEOUS,
4.80 AT 09:07 CST ON JUN 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 14 15 N
LONG 106 07 45 W
DRAINAGE AREA, 964 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 300	JUL	10 800
FEB	7 080	AUG	6 720
MAR	8 050	SEP	6 560
APR	8 560	OCT	7 760
MAY	11 700	NOV	7 490
JUN	10 600	DEC	7 600

TOTAL DISCHARGE, 101 000 dam³

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.13 B	0.176	0.102	0.048	0.368	0.007	0.006	---	---	1
2	---	---	0 B	2.27 B	0.178	0.193	1.19	0.340	0.006	0.007	---	---	2
3	---	---	0 B	1.22	0.176	0.167	1.95	0.227	0.006	0.005	---	---	3
4	---	---	0 B	0.793	0.176	0.125	0.425	0.159	0.006	0.004	---	---	4
5	---	---	0.006B	0.566	0.190	0.108	0.340	0.116	0.007	0.004	---	---	5
6	---	---	0.057B	0.453	0.184	0.088	0.238	0.088	0.007	0.003	---	---	6
7	---	---	0.142B	0.425	0.181	0.074	0.170	0.065	0.006	0.002	---	---	7
8	---	---	0.340B	0.396	0.184	0.065	0.119	0.051	0.006	0.002	---	---	8
9	---	---	0.283B	0.340	0.170	0.057	0.099	0.040	0.007	0.003	---	---	9
10	---	---	0.566B	0.283	0.159	0.057	0.076	0.034	0.007	0.003	---	---	10
11	---	---	0.850B	0.249	0.144	0.079	0.054	0.028	0.008	0.002	---	---	11
12	---	---	0.991B	0.249	0.133	0.079	0.045	0.020	0.007	0.002	---	---	12
13	---	---	0.708B	0.249	0.122	0.057	0.037	0.016	0.007	0.003	---	---	13
14	---	---	0.425B	0.249	0.119	0.048	0.031	0.011	0.007	0.002	---	---	14
15	---	---	0.283B	0.249	0.139	0.340	0.024	0.008	0.007	0.002	---	---	15
16	---	---	0.227B	0.232	0.181	0.221	0.017	0.007	0.007	0.002	---	---	16
17	---	---	0.170B	0.232	0.164	0.187	0.012	0.006	0.007	0.002	---	---	17
18	---	---	0.142B	0.232	0.144	0.127	0.008	0.007	0.007	0.002	---	---	18
19	---	---	0.170B	0.232	0.144	0.108	0.008	0.007	0.007	0.005	---	---	19
20	---	---	0.255B	0.218	0.142	0.091	0.008	0.007	0.007	0.013	---	---	20
21	---	---	0.510B	0.218	0.161	0.091	0.008	0.009	0.006	0.016	---	---	21
22	---	---	0.340B	0.232	0.150	0.085	0.007	0.013	0.006	0.020	---	---	22
23	---	---	0.227B	0.232	0.133	0.074	0.005	0.007	0.005	0.026	---	---	23
24	---	---	0.170B	0.232	0.122	0.057	0.005	0.006	0.005	0.027	---	---	24
25	---	---	0.142B	0.232	0.127	0.042	0.006	0.006	0.004	0.034	---	---	25
26	---	---	0.170B	0.232	0.142	0.031	9.03	0.006	0.005	0.040	---	---	26
27	---	---	0.198B	0.204	0.144	0.025	13.9	0.007	0.005	0.037	---	---	27
28	---	---	0.283B	0.176	0.133	0.022	1.76	0.006	0.006	0.040	---	---	28
29	---	---	0.425B	0.176	0.108	0.024	0.736	0.026	0.006	0.045	---	---	29
30	---		0.510B	0.161	0.093	0.045	0.453	0.022	0.006	0.048	---	---	30
31	---		0.708B		0.108		0.340	0.011		0.048		---	31
TOTAL	---	---	9.298	12.362	4.627	2.869	31.149	1.724	0.190	0.455	---	---	TOTAL
MEAN	---	---	0.300	0.412	0.149	0.096	1.00	0.056	0.006	0.015	---	---	MEAN
MAX	---	---	0.991	2.27	0.190	0.340	13.9	0.368	0.008	0.048	---	---	MAX
MIN	---	---	0	0.161	0.093	0.022	0.005	0.006	0.004	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.256
MAXIMUM DAILY, 13.9 ON JUL 27
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
52.1 AT 22:30 CST ON JUL 26

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 25 N
LONG 105 41 46 W
DRAINAGE AREA, 928 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 690
FEB	---	AUG	149
MAR	803	SEP	16.4
APR	1 070	OCT	39.3
MAY	400	NOV	---
JUN	248	DEC	---

TOTAL DISCHARGE, 5 420 dam³

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	66.8	55.0	47.1A	38.7	35.7	74.1	89.7	89.1	68.1	64.6	54.0	57.0
2	65.8	54.5	46.5	38.9	35.5	75.9	88.8	89.4	68.3	63.9	54.2	56.3
3	65.7	54.4	46.4	38.7	35.4	78.3	87.3	90.1	67.8	63.9	53.3	56.0
4	65.5	54.5	46.0	38.3	35.5	80.5	86.3	90.3	67.5	62.5	53.5	56.7
5	65.4	54.2	46.0	38.1	36.7	82.3	86.1	90.3	67.2	61.8	54.6	56.1
6	65.0	54.1	45.8	38.2	39.4	83.5	85.6	90.5	66.3	61.6	54.6	55.3
7	64.5	54.5	45.9	37.9	41.9	84.4	86.4	89.8	65.8	61.2	55.4	55.5
8	64.8A	54.5	45.9	37.5	43.1	85.4	86.3	89.7	65.9	61.0	55.7	55.6
9	64.8E	54.2	45.7	37.5	44.5	86.0	86.0	88.2	66.2	61.2	55.6	55.1
10	64.2E	53.7	45.6	37.3	45.6	86.2	86.4	87.3	65.9	62.1	55.7	54.9
11	63.5A	53.5	45.2	37.2	46.9	85.8	86.3	86.9	66.0	61.3	55.2	54.5
12	62.9	53.2	44.8	37.0	47.8	85.0	85.7	86.7	66.0	60.3	54.5	54.3
13	62.9	52.7	44.7	36.6	48.8	83.9	85.1	86.6	66.3	59.4	55.8	54.1
14	62.6	52.5	44.3	36.6	49.7	82.7	83.0	85.3	67.0	58.8	56.9	54.1
15	62.4A	51.9	44.2	36.4	50.2	82.1	82.6	83.8	67.3	58.4	56.6	53.3
16	61.9	51.4	43.9	36.0	50.8	81.8	82.5	82.3	67.5	58.5	55.9	52.0
17	61.8	51.4	43.9	35.8	51.3	81.6	82.4	80.9	67.6	58.2	56.9	52.3
18	61.0	51.1	43.9	35.5	52.0	82.9	82.9	79.8	66.9	57.9	56.7	52.7
19	60.4	50.9	43.6	35.1	52.9	84.9	82.4	79.6	66.4	57.6	55.8	51.5
20	60.4	50.7	42.7	35.4	53.5	86.7	82.5	78.7	65.5	57.6	54.9	51.0
21	60.2	50.2	42.1	35.5	55.3	88.3	82.8	78.4	65.3	57.4	56.2	51.5
22	59.3	49.7	41.6	35.6	57.2	89.0	83.7	77.4	64.9	57.3	57.4	52.4
23	59.1	49.4	41.1	36.0	59.6	90.1	84.4	75.7	65.6	57.2	58.1	52.2
24	58.7	48.9	40.5	36.5	62.0	90.2	84.7	73.8	65.4	56.8	58.2	51.2
25	58.5	48.6	39.8	36.5	63.8	89.6	85.1	73.3	65.4	56.8	58.2	51.5
26	58.0	48.2	39.5	36.3	65.0	89.9	86.2	72.4	65.8	56.2	58.4	51.3
27	57.3	47.8	39.0	36.5	66.2	89.9	86.1	71.5	65.9	54.2	58.4	51.0
28	57.0	47.6A	38.7	36.3	68.1	90.3	86.0	70.4	65.2	53.1	58.2	50.4
29	56.6		38.5	36.1	69.9	90.9	87.5	71.0	64.6	54.0	58.3	50.1
30	56.2		38.4	35.8	72.0	90.8	88.0	70.2	65.0	53.9	57.8	49.3
31	55.6		38.3		73.8		88.6	69.8		54.0		48.8
TOTAL	1 908.8	1 453.0	1 339.6	1 103.8	1 610.1	2 553.0	2 652.4	2 529.2	1 988.6	1 822.7	1 685.0	1 647.0
MEAN	61.6	51.9	43.2	36.8	51.9	85.1	85.6	81.6	66.3	58.8	56.2	53.1
MAX	66.8	55.0	47.1	38.9	73.8	90.9	89.7	90.5	68.3	64.6	58.4	57.0
MIN	55.6	47.6	38.3	35.1	35.4	74.1	82.4	69.8	64.6	53.1	53.3	48.8

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 61.1
MAXIMUM DAILY, 90.9 ON JUN 29
MINIMUM DAILY, 35.1 ON APR 19
MAXIMUM INSTANTANEOUS,
91.7 AT 20:29 CST ON JUN 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 26 40 N
LONG 104 21 40 W
DRAINAGE AREA, 7 300 km²

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	165 000	JUL	229 000
FEB	126 000	AUG	219 000
MAR	116 000	SEP	172 000
APR	95 400	OCT	157 000
MAY	139 000	NOV	146 000
JUN	221 000	DEC	142 000

TOTAL DISCHARGE, 1 930 000 d

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.026B	0.071B	1.08	0.417	0.764	0.016	0	0	---	---
2	---	---	0.026B	0.329B	1.11	0.397	0.698	0.011	0	0	---	---
3	---	---	0.026B	0.891B	1.48	0.368	0.636	0.012	0	0	---	---
4	---	---	0.026B	2.30 B	2.13	0.312	0.761	0.012	0	0	---	---
5	---	---	0.026B	2.58 B	2.63	0.356	1.24	0.012	0	0	---	---
6	---	---	0.026B	1.57 B	2.63	0.419	1.46	0.009	0	0	---	---
7	---	---	0.026B	0.940B	2.86	0.491	1.43	0.005	0	0	---	---
8	---	---	0.026B	0.726B	3.91	0.593	1.35	0.002	0	0	---	---
9	---	---	0.026B	0.519B	4.03	0.615	1.32	0.001	0	0	---	---
10	---	---	0.026B	0.470B	3.94	0.791	1.24	0.001E	0	0	---	---
11	---	---	0.026B	0.276B	3.27	0.931	1.03	0.001E	0	0	---	---
12	---	---	0.026B	0.214B	3.10	1.26	0.820	0.001E	0	0	---	---
13	---	---	0.026B	0.305B	2.70	1.47	0.648	0.001E	0	0	---	---
14	---	---	0.026B	0.222B	2.36	1.32	0.509	0.001E	0	0	---	---
15	---	---	0.026B	0.279B	2.02	1.17	0.403	0.001E	0	0	---	---
16	---	---	0.026B	0.240B	1.71	0.994	0.339	0.001E	0	0	---	---
17	---	---	0.026B	0.244B	1.54	0.850	0.284	0.001E	0	0	---	---
18	---	---	0.026B	0.528B	1.48	0.778	0.236	0.001E	0	0	---	---
19	---	---	0.026B	1.36 B	1.30	1.16	0.195	0.001E	0	0	---	---
20	---	---	0.026B	1.95 B	1.24	0.793	0.174	0.001E	0	0	---	---
21	---	---	0.026B	1.80 B	1.26	0.627	0.154	0.001E	0	0	---	---
22	---	---	0.026B	2.22 B	1.21	0.513	0.137	0.001E	0	0	---	---
23	---	---	0.026B	2.09 B	1.10	0.445	0.125	0.001E	0	0.057	---	---
24	---	---	0.026B	2.47	1.01	0.396	0.105	0.001E	0	0.080	---	---
25	---	---	0.026B	2.70	0.903	0.369	0.079	0.001E	0	0.056	---	---
26	---	---	0.026B	2.73	0.816	0.338	0.063	0.001E	0	0.004	---	---
27	---	---	0.026B	2.62	0.726	0.325	0.056	0.001E	0	0.056	---	---
28	---	---	0.034B	2.16	0.635	0.404	0.048	0.001E	0	0.069	---	---
29	---	---	0.044B	1.65	0.557	0.568	0.039	0.001E	0	0.057E	---	---
30	---		0.051B	1.37	0.507	0.740	0.025	0.001E	0	0.032B	---	---
31	---		0.052B		0.480		0.023	0.001E		0.026B		---
TOTAL	---	---	0.883	37.824	55.724	20.210	16.391	0.102	0	0.437	---	---
MEAN	---	---	0.029	1.26	1.80	0.674	0.529	0.003	0	0.014	---	---
MAX	---	---	0.052	2.73	4.03	1.47	1.46	0.016	0	0.080	---	---
MIN	---	---	0.026	0.071	0.480	0.312	0.023	0.001	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.537
MAXIMUM DAILY, 4.03 ON MAY 09
MINIMUM DAILY, 0 ON SEP 01
MAXIMUM INSTANTANEOUS,
4.60 AT 05:53 CST ON MAY 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 49 01 N
LONG 102 59 49 W
DRAINAGE AREA, 324 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 420
FEB	---	AUG	8.81
MAR	76.3	SEP	0
APR	3 270	OCT	37.7
MAY	4 810	NOV	---
JUN	1 750	DEC	---

TOTAL DISCHARGE, 11 400 dam³

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.42B	1.22 B	1.77B	3.38B	11.3	12.4	12.1	9.44	6.67	3.73	1.50	1.29B	1
2	1.74B	1.26 B	2.44B	3.83B	11.3	12.6	12.1	9.51	6.73	3.69	1.52	1.20B	2
3	1.52B	1.30 B	2.21B	4.33B	11.4	12.7	12.7	9.45	6.78	3.76	1.17	1.17B	3
4	1.39B	1.34 B	1.67B	3.05B	11.7	12.5	12.7	8.44	6.70	3.64	0.675	1.16B	4
5	1.74B	1.38 B	1.88B	2.04B	11.7	12.9	12.0	6.22	6.68	3.65	1.46	1.13B	5
6	1.73B	1.52 B	3.79B	1.93B	11.7	12.7	12.5	6.11	6.69	3.67	0.747	1.19B	6
7	2.16B	1.45 B	4.88B	1.82B	11.9	12.6	12.7	6.05	6.66	3.68	1.57	1.21B	7
8	1.73B	1.25 B	3.76B	1.76B	11.3	12.2	12.4	6.21	6.67	3.73	1.96	1.22B	8
9	1.62B	1.15 B	2.69B	1.74B	11.7	12.2	12.3	6.17	6.75	3.72	1.58	1.22B	9
10	1.61B	1.01 B	2.55B	1.62B	11.9	12.4	12.2	6.15	6.74	3.78	1.41	1.18B	10
11	1.52B	0.890B	2.91B	1.78B	12.0	13.7	12.3	6.38	6.76	3.72	1.48	1.17B	11
12	1.27B	0.800B	2.78B	1.74	12.0	12.9	10.8	6.28	6.54	3.60	1.22	1.24B	12
13	2.57B	0.726B	3.01B	1.72	12.2	12.8	9.04	6.28	6.81	3.77	0.813	1.15B	13
14	1.80B	0.720B	2.71B	1.69	12.0	12.8	9.11	6.31	6.67	3.70	2.10	1.07B	14
15	1.62B	0.710B	2.74B	1.68	13.0	12.8	9.15	6.25	6.62	3.66	1.68	1.04B	15
16	1.52B	0.700B	2.94B	1.65	13.2	12.6	9.13	6.40	6.32	3.08	1.37	1.06B	16
17	1.52B	0.690B	3.04B	1.62	12.3	12.3	9.31	6.32	6.62	0.967	1.31	1.10B	17
18	1.43B	0.680B	2.85B	1.63	12.0	12.3	9.40	6.53	6.57	0.865	1.54	1.13B	18
19	1.56B	0.680B	2.81B	1.69	12.2	12.4	9.34	6.55	6.40	1.58	1.40	1.28B	19
20	1.84B	0.680B	2.81B	1.63	12.3	12.5	9.38	6.57	6.44	1.56	1.27	1.23B	20
21	1.69B	0.680B	2.41B	2.68	12.2	12.3	9.19	6.54	6.49	1.48	1.30	1.25B	21
22	1.72B	0.700B	1.99B	4.89	12.3	12.2	9.21	6.69	6.46	1.49	1.07	1.28B	22
23	1.66B	0.710B	1.97B	5.06	12.2	12.0	9.14	6.65	6.14	1.55	0.146	1.39B	23
24	1.57B	0.720B	2.26B	6.85	12.1	12.2	8.45	6.73	6.03	1.50	0.697B	1.22B	24
25	1.35B	0.730B	2.57B	8.37	12.0	12.2	8.10	6.80	6.29	1.48	2.35 B	1.27B	25
26	1.33B	0.780B	2.48B	8.28	12.5	12.0	10.8	6.76	6.44	1.57	1.47 B	1.15B	26
27	1.42B	0.860B	2.72B	8.17	12.4	12.0	10.9	6.84	6.46	1.53	1.25 B	1.11B	27
28	1.39B	1.00 B	2.59B	10.4	12.3	12.3	9.81	6.73	6.64	1.40	1.24 B	1.19B	28
29	1.34B		2.72B	11.7	12.1	12.3	8.82	6.73	5.42	1.53	1.26 B	1.32B	29
30	1.28B		2.82B	11.8	12.2	12.1	8.56	6.73	3.85	1.44	1.20 B	1.09B	30
31	1.24B		2.87B		12.5		9.10	6.80		1.48		1.20B	31
TOTAL	49.30	26.336	83.64	120.53	373.9	373.9	322.74	211.62	193.04	80.002	39.858	36.91	TOTAL
MEAN	1.59	0.941	2.70	4.02	12.1	12.5	10.4	6.83	6.43	2.58	1.33	1.19	MEAN
MAX	2.57	1.52	4.88	11.8	13.2	13.7	12.7	9.51	6.81	3.78	2.35	1.39	MAX
MIN	1.24	0.680	1.67	1.62	11.3	12.0	8.10	6.05	3.85	0.865	0.146	1.04	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.24
MAXIMUM DAILY, 13.7 ON JUN 11
MINIMUM DAILY, 0.146 ON NOV 23
MAXIMUM INSTANTANEOUS,
13.9 AT 16:34 CST ON JUN 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 00 N
LONG 105 49 31 W
DRAINAGE AREA, 2 630 km²

B - ICE CONDITIONS

REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 260	JUL	27 900
FEB	2 280	AUG	18 300
MAR	7 230	SEP	16 700
APR	10 400	OCT	6 910
MAY	32 300	NOV	3 440
JUN	32 300	DEC	3 190

TOTAL DISCHARGE, 165 000 dam³

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.20B	25.3 B	6.12	1.82	1.88E	3.41	1.20	0.744	2.82	---	1
2	---	---	1.19B	38.3 B	5.93	1.77	1.78E	3.16	1.15	0.824	2.79A	---	2
3	---	---	1.18B	82.1 B	5.36	1.76	1.69E	2.80	1.09	0.835	---	---	3
4	---	---	1.17B	64.3	4.61	1.86	1.59A	2.51	1.07	0.855	---	---	4
5	---	---	1.16B	55.4	4.19	2.01	1.85E	2.44	1.18	0.944	---	---	5
6	---	---	1.15B	50.8	4.03	2.19	2.10E	2.40	1.07	1.07	---	---	6
7	---	---	1.16B	48.5	4.05	2.04	2.35E	2.35	1.20	1.21	---	---	7
8	---	---	1.14B	46.4	4.04	2.04	2.60E	2.07	1.25	1.16	---	---	8
9	---	---	1.24B	42.9	3.75	2.07	2.00E	1.78	1.18	1.12	---	---	9
10	---	---	1.97B	33.8	3.62	1.95	2.75E	1.56	1.18	1.12	---	---	10
11	---	---	3.90B	21.0	3.39	1.90	3.50E	1.43	1.19	1.06	---	---	11
12	---	---	6.85B	15.0	3.09	1.88	4.30E	1.54	1.23	1.04	---	---	12
13	---	---	8.70B	12.1	2.98	1.81	4.15E	1.66	1.28	1.07	---	---	13
14	---	---	8.44B	10.6	2.87	1.83	4.00E	1.56 A	1.21	1.07	---	---	14
15	---	---	9.00B	9.31	2.66	1.89	4.18E	1.50 E	1.17	1.50	---	---	15
16	---	---	9.99B	8.03	2.66	1.98	4.36E	1.45 A	1.08	1.38	---	---	16
17	---	---	10.5 B	7.28	2.53	2.13	4.54A	1.35 E	0.932	1.48	---	---	17
18	---	---	9.89B	6.74	2.42	2.06	4.80	1.26 E	0.959	1.59	---	---	18
19	---	---	10.6 B	6.30	2.81	2.04	4.79	1.17 E	0.952	1.65	---	---	19
20	---	---	11.3 B	5.86	2.41	2.10	4.64	1.08 E	0.895	1.82	---	---	20
21	---	---	10.8 B	5.83	2.09	2.11	4.54	0.975A	0.730	1.95	---	---	21
22	---	---	9.59B	6.21	2.06	2.11	4.29	0.879	0.451	2.08	---	---	22
23	---	---	7.96B	6.02	2.06	2.29	3.96	0.754	0.499	2.48	---	---	23
24	---	---	6.22B	5.75	2.16	2.41A	3.47	0.639	0.614	2.43	---	---	24
25	---	---	5.60B	5.72	2.21	2.39A	3.00	0.582	0.700	2.42	---	---	25
26	---	---	5.20B	6.01	2.09	2.08E	2.69	0.581	0.682	2.56	---	---	26
27	---	---	4.78B	6.52	1.94	1.95E	2.65	0.627	0.612	2.68	---	---	27
28	---	---	4.63B	6.72	1.80	2.17E	2.58	0.736	0.517	2.67	---	---	28
29	---	---	4.99B	6.37	1.78	2.07E	2.62	0.945	0.461	2.93	---	---	29
30	---		8.38B	6.03	1.81	1.98E	2.93	0.880	0.594	2.98	---	---	30
31	---		18.1 B		1.84		3.27	1.09		2.90		---	31
TOTAL	---	---	187.98	651.20	95.36	60.69	99.85	47.168	28.328	51.912	---	---	TOTAL
MEAN	---	---	6.06	21.7	3.08	2.02	3.22	1.52	0.944	1.67	---	---	MEAN
MAX	---	---	18.1	82.1	6.12	2.41	4.80	3.41	1.28	3.16	---	---	MAX
MIN	---	---	1.14	5.72	1.78	1.76	1.59	0.581	0.451	0.744	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.99
MAXIMUM DAILY, 82.1B ON APR 03
MINIMUM DAILY, 0.451 ON SEP 22
MAXIMUM INSTANTANEOUS,
91.1B AT 00:29 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 29 N
LONG 102 55 03 W
DRAINAGE AREA, 44 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 630
FEB	---	AUG	4 080
MAR	16 200	SEP	2 450
APR	56 300	OCT	4 490
MAY	8 240	NOV	---
JUN	5 240	DEC	---

TOTAL DISCHARGE, 106 000 dam³

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DE
1	0.918B	0.777B	1.43B	3.99B	2.92	2.88	3.78	2.05	1.56	0.596	0.897	0.6
2	0.883B	0.780B	1.45B	4.19B	1.55	2.91	3.70	2.02	1.51	0.546	0.969	0.6
3	0.801B	0.683B	1.35B	3.60B	1.52	2.92	3.70	2.01	1.57	0.525	0.938	0.6
4	0.800B	0.697B	1.20B	2.73B	1.43	2.91	3.65	1.98	1.49	0.450	0.827	0.6
5	0.848B	0.699B	1.12B	2.49	1.25	2.92	3.80	1.95	1.46	0.419	0.916	0.5
6	0.932B	0.730B	1.24B	2.44	1.23	2.91	3.64	1.92	1.50	0.397	0.859	0.5
7	0.987B	0.638B	1.38B	2.44	1.21	2.88	3.63	1.88	1.48	0.337	0.816	0.5
8	0.997B	0.609B	1.51B	2.39	1.21	2.81	3.83	1.92	1.47	0.306	0.848	0.5
9	0.991B	0.578B	1.84B	2.33	1.20	2.81	3.28	1.89	1.47	0.293	0.849	0.6
10	1.01 B	0.694B	2.00B	2.29	1.20	2.82	2.28	1.81	1.37	0.310	0.811	0.8
11	1.01 B	0.634B	2.05B	2.28	1.18	2.81	2.30	1.77	1.40	0.313	0.799	0.9
12	0.873B	0.538B	2.00B	2.26	1.19	2.80	2.37	1.76	1.27	0.245	0.759	0.9
13	0.797B	0.684B	1.94B	2.21	1.19	2.76	2.27	1.78	1.37	0.264	0.752	0.9
14	0.816B	0.675B	1.93B	2.17	1.20	2.66	2.21	1.72	1.26	0.275	0.780	0.9
15	0.881B	0.679B	2.04B	2.13	1.21	2.66	2.22	1.66	1.24	0.266	0.795	0.9
16	0.897B	0.654B	2.14B	2.07	1.25	2.69	2.21	1.68	1.10	0.257	0.791	0.9
17	1.01 B	0.740B	2.16B	2.02	1.27	2.68	2.19	1.68	1.14	0.258	0.796	1.0
18	1.04 B	0.709B	2.09B	1.95	2.29	2.68	2.14	1.69	1.11	0.210	0.803	1.1
19	1.01 B	0.854B	2.11B	1.88	2.95	2.69	2.14	1.68	1.06	0.242	0.798	1.1
20	0.930B	0.866B	2.16B	1.75	2.89	2.64	2.13	1.69	1.07	0.281	0.800	1.1
21	0.809B	0.735B	2.44B	1.66	2.94	3.44	2.07	1.67	0.975	0.239	0.815	1.2
22	0.870B	0.660B	2.44B	1.59	2.93	4.20	1.98	1.64	0.961	1.42	0.779B	1.1
23	0.984B	0.693B	2.38B	2.34	2.94	4.10	1.91	1.61	0.924	2.28	0.722B	1.0
24	1.00 B	0.806B	2.36B	2.88	4.00	4.00	1.89	1.68	0.903	1.68	0.678B	0.8
25	0.980B	0.989B	2.33B	4.90	2.65	3.99	1.87	1.64	0.871	1.22	0.663B	0.7
26	0.913B	1.18 B	2.34B	4.05	2.64	3.98	1.89	1.65	0.794	1.31	0.654B	0.8
27	0.861B	1.20 B	2.34B	4.07	2.84	3.94	1.95	1.64	0.729	1.33	0.645B	0.7
28	0.770B	1.34 B	2.36B	4.05	2.87	3.88	2.03	1.63	0.716	1.07	0.641B	0.8
29	0.749B		2.48B	4.06	2.87	3.90	2.09	1.61	0.625	0.979	0.633B	0.8
30	0.775B		2.99B	4.06	2.80	3.82	2.06	1.57	0.626	0.920	0.630B	0.8
31	0.817B		3.55B		2.86		2.08	1.70		0.879		0.8
TOTAL	27.959	21.521	63.15	84.27	62.64	95.09	79.29	54.58	35.024	20.017	23.463	26.57
MEAN	0.902	0.769	2.04	2.81	2.02	3.17	2.56	1.76	1.17	0.646	0.782	0.8
MAX	1.04	1.34	3.55	4.90	2.95	4.20	3.83	2.05	1.57	2.28	0.969	1.2
MIN	0.749	0.538	1.12	1.59	1.18	2.64	1.87	1.57	0.625	0.210	0.630	0.5

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.63
MAXIMUM DAILY, 4.90 ON APR 25
MINIMUM DAILY, 0.210 ON OCT 18
MAXIMUM INSTANTANEOUS,
5.33 AT 20:20 CST ON APR 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 20 N
LONG 104 47 50 W
DRAINAGE AREA, 33 700 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 420	JUL	6 850
FEB	1 860	AUG	4 720
MAR	5 460	SEP	3 030
APR	7 280	OCT	1 730
MAY	5 410	NOV	2 030
JUN	8 220	DEC	2 300

TOTAL DISCHARGE, 51 300 d

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.69B	1.70B	1.27B	17.5	3.21	1.42	2.06	2.60	1.09	0.968	4.12E	1.73
2	1.67B	1.67B	1.30B	22.0	2.90	1.74	2.15	2.61	1.15	1.16	4.41A	1.73
3	1.81B	1.60B	1.23B	25.0	2.79	1.82	2.41	2.66	1.55	1.48	4.16	1.76
4	1.84B	1.53B	1.25B	24.2	2.73	1.61	2.71	2.14	1.36	1.38	3.78	1.76
5	1.87B	1.53B	1.21B	19.6	2.65	1.84	2.12	1.87	1.28	1.14	4.13A	1.78
6	1.91B	1.49B	1.17B	15.2	2.50	1.72	2.42	1.69	1.32	1.18	3.63E	1.76
7	1.93B	1.45B	1.14B	12.8	2.55	1.70	3.24	1.52	1.27	0.924	3.35A	1.71
8	1.85B	1.46B	1.21B	11.4	2.34	1.81	4.58	1.78	1.38	0.863	3.65	1.65
9	1.80B	1.40B	1.25B	10.2	2.19	1.80	4.35	1.70	1.35	0.839	3.74	1.61
10	1.85B	1.44B	1.50B	8.57	2.00	1.72	4.11	1.40	1.24	1.13	3.49	1.66
11	1.70B	1.46B	1.75B	7.20	1.95	1.88	4.30	1.60	1.26	1.31	3.43	1.70
12	1.76B	1.43B	3.07B	6.28	1.75	1.81	4.51	1.46	1.06	1.03 A	3.13	1.69
13	1.76B	1.60B	4.75B	5.59	1.75	1.94	4.67	1.44	1.19	1.14 A	3.01B	1.67
14	1.74B	1.41B	5.00B	5.08	1.59	1.92	5.16	1.24	1.08	1.33	3.01B	1.66
15	1.74B	1.47B	5.25B	4.63	1.50	1.73	5.10	1.03	1.01 A	1.32 A	2.84B	1.68
16	1.70B	1.43B	5.00B	4.25	2.16	1.72	4.74	0.838	0.775	1.43	2.71B	1.72
17	1.69B	1.34B	4.75B	4.01	1.51	1.81	5.02	0.622	0.791	1.57	2.58B	1.70
18	1.65B	1.34B	4.40B	3.94	1.30	1.87	4.76	0.514	0.893	1.56	2.60B	1.71
19	1.66B	1.34B	4.00B	3.84	1.31	2.10	4.40	0.400	0.738	1.84	2.69B	1.76
20	1.66B	1.30B	3.56B	3.83	1.41	2.08	3.95	0.467	1.05	2.21	2.64B	1.78
21	1.68B	1.30B	3.25B	3.86	1.44	2.14	3.39	0.459	0.834	2.04	2.56B	1.75
22	1.74B	1.35B	2.77B	3.86	1.54	1.97	3.07	0.611	0.666	2.30	2.45B	1.75
23	1.85B	1.37B	2.46B	3.92	1.50	1.81	2.81	0.694	0.614	2.51	2.26B	1.67
24	1.86B	1.37B	2.21B	4.07	1.44	1.94	2.69	0.868	0.770	2.40	2.12B	1.58
25	1.81B	1.28B	1.96B	4.98	1.24	2.22	2.67	0.974	0.697	2.49 A	2.05B	1.54
26	1.73B	1.29B	1.84B	5.06	1.23	2.14	3.55	1.05	0.874A	2.71 A	2.01B	1.33
27	1.73B	1.24B	1.65B	4.69	1.26	2.05	3.81	1.34	0.724	2.65 E	1.92B	1.21
28	1.80B	1.22B	1.54B	4.76	1.25	2.14	4.00	1.14	0.842	2.75 E	1.90B	1.14
29	1.77B		2.00	4.64	1.20	2.24	3.42	1.03	0.789	3.05 E	1.85B	1.09
30	1.75B		3.00	4.47	1.17	1.97	2.96	1.08	1.03	3.39 E	1.79B	1.09
31	1.73B		11.0		1.21		2.65	1.36		3.74 E		1.06
TOTAL	54.81	39.81	87.74	259.43	56.57	56.66	111.78	40.687	30.677	55.814	88.01	49.43
MEAN	1.77	1.42	2.83	8.65	1.82	1.89	3.61	1.31	1.02	1.80	2.93	1.59
MAX	1.93	1.70	11.0	25.0	3.21	2.24	5.16	2.66	1.55	3.74	4.41	1.78
MIN	1.65	1.22	1.14	3.83	1.17	1.42	2.06	0.400	0.614	0.839	1.79	1.06

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.55
MAXIMUM DAILY, 25.0 ON APR 03
MINIMUM DAILY, 0.400 ON AUG 19
MAXIMUM INSTANTANEOUS,
25.1 AT 12:40 CST ON APR 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 41 N
LONG 103 36 02 W
DRAINAGE AREA, 40 600 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 740	JUL	9 660
FEB	3 440	AUG	3 520
MAR	7 580	SEP	2 650
APR	22 400	OCT	4 820
MAY	4 890	NOV	7 600
JUN	4 900	DEC	4 270

TOTAL DISCHARGE, 80 500 da

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.867B	0.773B	1.20 B	20.0	1.87	2.37	4.58	2.10	1.59	0.641	0.903	0.502B	1
2	0.844B	0.669B	1.22 B	11.4	10.1	2.50	4.88	2.09	1.61	0.645	0.838B	0.472B	2
3	0.852B	0.643B	1.05 B	8.38	6.94	2.35	5.03	1.98	1.52	0.634	0.758B	0.439B	3
4	0.847B	0.647B	0.980B	5.67	3.68	2.47	3.73	1.98	1.46	0.561	0.732B	0.499B	4
5	0.833B	0.592B	0.931B	3.80	2.64	2.36	4.15	1.93	1.45	0.539	0.765B	0.488B	5
6	0.833B	0.568B	1.01 B	3.21	2.24	2.41	5.03	1.94	1.40	0.493	0.708B	0.498B	6
7	0.860B	0.561B	1.28 B	2.34	1.93	2.52	5.00	1.96	1.34	0.445	0.851B	0.462B	7
8	0.884B	0.558B	1.86 B	2.04	1.85	2.55	4.83	1.71	1.35	0.418	0.795B	0.434B	8
9	0.828B	0.591B	3.19 B	1.89	1.64	2.54	4.68	1.74	1.29	0.389	0.774B	0.425B	9
10	0.849B	0.636B	3.66 B	1.94	1.57	2.45	4.76	1.76	1.28	0.375	0.737B	0.418B	10
11	0.864B	0.577B	5.99 B	1.94	1.44	2.55	4.10	1.78	1.26	0.326	0.731B	0.417B	11
12	0.881B	0.507B	6.35 B	1.96	1.41	2.39	3.98	1.74	1.33	0.293	0.705B	0.427B	12
13	0.858B	0.514B	5.98 B	1.74	1.41	2.45	4.03	1.67	1.19	0.327	0.721B	0.478B	13
14	0.793B	0.632B	5.49 B	1.65	1.37	2.55	2.60	1.71	1.15	0.413	0.761B	0.613B	14
15	0.755B	0.689B	4.12 B	1.59	1.35	2.56	2.30	1.92	1.16	0.347	0.732B	0.680B	15
16	0.820B	0.688B	3.46 B	1.54	1.41	2.56	2.46	2.07	1.18	0.309	0.723B	0.655B	16
17	0.813B	0.706B	3.34 B	1.47	1.44	2.61	2.20	1.93	1.12	0.323	0.730B	0.701B	17
18	0.799B	0.700B	2.78 B	1.45	1.39	2.63	2.15	1.88	1.04	0.279	0.765B	0.727B	18
19	0.816B	0.577B	2.97 B	1.38	1.48	2.43	2.11	1.79	1.01	0.355	0.747B	0.725B	19
20	0.887B	0.597B	3.30 B	1.30	2.06	2.47	2.07	1.73	1.01	0.375	0.740B	0.701B	20
21	0.894B	0.669B	3.45 B	1.04	2.36	2.40	2.11	1.74	0.972	0.293	0.748B	0.757B	21
22	0.850B	0.885B	3.09 B	0.941	2.33	2.66	2.10	1.71	0.964	0.344	0.675B	0.824B	22
23	0.783B	1.10 B	2.78 B	0.878	2.37	4.09	2.10	1.66	0.941	0.393	0.703B	0.814B	23
24	0.854B	1.06 B	2.90 B	0.766	2.34	4.60	2.09	1.68	0.912	0.794	0.714B	0.740B	24
25	0.848B	1.04 B	2.90 B	1.04	2.23	4.47	2.29	1.79	0.867	1.81	0.576B	0.716B	25
26	0.881B	1.06 B	3.01 B	1.01	2.31	4.56	2.43	1.91	0.846	1.71	0.538B	0.826B	26
27	0.866B	0.961B	3.22 B	1.01	2.23	4.64	2.56	1.77	0.808	1.38	0.549B	0.791B	27
28	0.848B	0.991B	3.52 B	0.980	2.25	4.44	2.44	1.69	0.775	1.25	0.481B	0.767B	28
29	0.825B		5.49 B	0.869	2.42	4.27	2.16	1.66	0.732	1.15	0.475B	0.878B	29
30	0.890B		16.3 B	0.341	2.48	4.39	2.18	1.72	0.721	1.14	0.448B	0.882B	30
31	0.860B		24.6 B		2.47		2.20	1.51		1.02		0.799B	31
TOTAL	26.182	20.191	131.421	84.874	74.91	90.24	97.73	56.15	34.278	19.871	21.123	19.555	TOTAL
MEAN	0.845	0.721	4.24	2.83	2.42	3.01	3.15	1.81	1.14	0.641	0.704	0.631	MEAN
MAX	0.894	1.10	24.6	20.0	10.1	4.64	5.03	2.10	1.61	1.81	0.903	0.882	MAX
MIN	0.755	0.507	0.931	0.341	1.35	2.35	2.07	1.51	0.721	0.279	0.448	0.417	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.85
MAXIMUM DAILY, 24.6B ON MAR 31
MINIMUM DAILY, 0.279 ON OCT 18
MAXIMUM INSTANTANEOUS,
25.8B AT 05:52 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 11 N
LONG 104 17 21 W
DRAINAGE AREA, 36 500 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 260	JUL	8 440
FEB	1 740	AUG	4 850
MAR	11 400	SEP	2 960
APR	7 330	OCT	1 720
MAY	6 470	NOV	1 830
JUN	7 800	DEC	1 690

TOTAL DISCHARGE, 58 500 dam³

REMARKS - THE STAGE DISCHARGE RELATION WAS NOT DEFINED BY DISCHARGE MEASUREMENT ABOVE 10 M3/S

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.792B	0.579B	0.440B	1.06	6.92	11.9	7.84	7.99	3.64	3.75	0.195	0.385B	1
2	0.807B	0.547B	0.520B	1.05	8.59	12.3	7.93	7.68	3.61	3.71	0.267	0.482B	2
3	0.766B	0.568B	0.660B	1.07	8.82	12.2	8.81	7.68	3.64	3.69	0.290	0.562B	3
4	0.755B	0.674B	0.590B	1.04	8.99	11.8	9.80	7.25	3.62	3.13	0.329	0.502B	4
5	0.707B	0.618B	0.540B	1.02	8.93	13.0	8.70	7.02	3.61	0.922	0.373	0.379B	5
6	0.715B	0.608B	0.538B	0.996	8.91	13.8	8.45	6.68	3.63	0.918	0.273	0.507B	6
7	0.749B	0.629B	0.570B	0.962	9.33	13.3	9.27	6.39	3.62	0.806	0.313	0.537B	7
8	0.643B	0.501B	0.677B	0.962	9.09	13.3	9.65	5.04	3.58	0.782	0.362	0.550B	8
9	0.590B	0.466B	0.895B	1.12	9.14	13.0	9.58	4.85	3.61	0.792	0.406	0.459B	9
10	0.769B	0.799B	1.16 B	2.15	9.31	12.0	10.5	4.80	3.56	0.779	0.423	0.531B	10
11	0.533B	0.780B	1.05 B	2.19	10.1	13.1	11.2	4.77	3.53	0.782	0.450	0.621B	11
12	0.811B	0.652B	0.885B	2.21	9.90	12.7	10.8	4.76	3.39	0.755	0.462	0.514B	12
13	0.952B	0.723B	0.951B	2.22	10.0	12.6	10.4	4.76	3.53	0.763	0.495	0.748B	13
14	0.899B	0.549B	0.893B	2.20	9.87	12.4	11.1	4.68	3.42	0.769	0.536	0.568B	14
15	0.940B	0.547B	0.730B	2.20	10.1	11.7	10.9	4.54	3.38	0.755	0.490B	0.695B	15
16	0.914B	0.510B	0.673B	2.20	11.0	11.5	9.99	4.56	3.20	0.759	0.523B	0.668B	16
17	0.874B	0.595B	0.707B	2.22	10.5	11.5	10.4	4.54	3.37	0.766	0.578B	0.645B	17
18	0.786B	0.567B	0.655B	2.24	9.94	11.8	9.93	4.53	3.41	0.756	0.581B	0.729B	18
19	0.852B	0.537B	0.707B	3.05	10.7	12.3	9.40	4.51	3.34	0.771	0.588B	0.571B	19
20	0.787B	0.604B	0.718B	5.00	11.8	12.1	8.33	4.47	3.45	0.787	0.577B	0.700B	20
21	0.791B	0.656B	0.617B	5.09	11.5	11.9	6.77	3.57	3.54	0.749	0.465B	0.690B	21
22	0.790B	0.576B	0.547B	5.07	11.6	10.9	6.73	3.61	3.61	0.758	0.364B	0.768B	22
23	0.782B	0.573B	0.666B	5.07	10.5	9.91	6.57	3.64	3.56	0.765	0.643B	0.793B	23
24	0.719B	0.550B	0.627B	4.99	9.75	10.5	6.44	3.66	3.63	0.722	0.493B	0.765B	24
25	0.558B	0.560B	0.578B	5.04	7.93	10.5	6.29	3.69	3.64	0.518	0.496B	0.483B	25
26	0.746B	0.565B	0.538	5.01	11.0	9.89	6.73	3.68	3.65	0.389	0.487B	0.517B	26
27	0.654B	0.561B	0.538	5.01	11.5	9.72	7.62	3.74	3.66	0.296	0.394B	0.579B	27
28	0.942B	0.555B	0.541	5.04	11.4	10.0	8.10	3.76	3.70	0.219	0.400B	0.627B	28
29	0.742B		0.578	5.33	10.3	8.66	7.86	3.71	3.62	0.197	0.454B	0.575B	29
30	0.693B		1.02	5.68	10.1	8.02	9.84	3.67	3.76	0.158	0.424B	0.641B	30
31	0.686B		1.07		11.1		8.48	3.79		0.138		0.628B	31
TOTAL	23.749	16.649	22.394	88.440	301.62	348.30	274.41	152.02	106.51	31.851	13.131	18.419	TOTAL
MEAN	0.766	0.595	0.722	2.95	9.73	11.6	8.85	4.90	3.55	1.03	0.438	0.594	MEAN
MAX	0.952	0.799	1.16	5.68	11.8	13.8	11.2	7.99	3.76	3.75	0.643	0.793	MAX
MIN	0.533	0.466	0.440	0.962	2.75	8.02	6.29	3.57	3.20	0.138	0.195	0.379	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.83
MAXIMUM DAILY, 13.8 ON JUN 06
MINIMUM DAILY, 0.138 ON OCT 31
MAXIMUM INSTANTANEOUS,
14.4 AT 00:38 CST ON JUN 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 40 N
LONG 105 16 00 W
DRAINAGE AREA, 12 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 050	JUL	23 700
FEB	1 440	AUG	13 100
MAR	1 930	SEP	9 200
APR	7 640	OCT	2 730
MAY	26 100	NOV	1 130
JUN	30 100	DEC	1 590

TOTAL DISCHARGE, 121 000 dam³

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.10 B	1.31 B	1.54B	14.1 B	8.35A	11.8	9.50	9.92	4.57	4.51	1.05	0.760B
2	0.970B	1.12 B	1.45B	14.4 B	9.61E	12.3	9.02	9.15	4.50	4.61	1.02	0.697B
3	0.997B	1.01 B	1.30B	14.7 B	10.6 A	12.8	9.39	8.98	4.42	4.38	0.845B	0.736B
4	1.24 B	1.06 B	1.18B	13.8 B	11.1	12.7	11.1	8.80	4.44	4.10	0.995B	0.843B
5	1.24 B	1.27 B	1.45B	12.1 B	10.3	12.6	12.6 A	8.46	4.40	4.01	1.07 B	0.879B
6	1.19 B	1.20 B	1.72B	11.0 B	10.2	13.2	9.50E	8.10	4.31	2.29	1.22 B	1.05 B
7	1.07 B	1.27 B	1.51B	9.73B	10.2	13.8	10.2 E	7.61	4.32	2.29	1.01 B	1.26 B
8	1.19 B	1.29 B	1.60B	9.00B	10.5	13.5	10.0 E	7.15	4.29	1.25	1.26 B	1.31 B
9	1.21 B	1.08 B	1.59B	8.20B	10.8	13.7	10.5 E	6.30	4.31	1.25	1.14 B	1.40 B
10	1.16 B	1.19 B	3.30B	7.40B	10.9	14.1	11.5 E	5.66	4.28	1.22	0.899B	1.34 B
11	1.07 B	1.36 B	4.10B	6.53B	10.9	13.3	12.4 A	5.55	4.22	1.20	1.07 B	1.08 B
12	0.969B	1.35 B	2.89B	6.01	11.3	13.2	15.0	5.59	4.07	1.05	1.10 B	0.950B
13	1.15 B	1.16 B	2.99B	5.52	11.3	13.1	12.5	5.58	3.70	1.04	1.14 B	0.950B
14	1.30 B	1.14 B	2.72B	5.30	11.3	13.1	11.3	5.57	3.50	1.14	1.20 B	1.04 B
15	1.38 B	1.09 B	5.04B	5.08	11.2	13.0	11.7	5.61	3.88	1.17	1.15 B	1.07 B
16	1.39 B	0.926B	6.82B	4.91	11.7	12.5	11.4	5.54	3.95	1.19	1.13 B	1.06 B
17	1.47 B	1.01 B	6.84B	4.56	14.0 A	12.2	11.1	5.55	3.89	1.16	1.17 B	1.06 B
18	1.38 B	1.19 B	7.05B	4.36	12.1	12.2	10.9	5.52	3.98	1.16	1.21 B	1.05 B
19	1.32 B	1.15 B	6.45B	3.61	11.4	12.5	10.8	5.58	4.15	1.15	1.19 B	1.11 B
20	0.922B	1.21 B	5.87B	2.31	11.8	13.1	10.5	5.59	4.24	1.09	1.17 B	1.07 B
21	1.00 B	1.18 B	6.43B	1.85	12.6	13.2	9.60	5.50	4.30	0.992	1.27 B	1.04 B
22	1.29 B	0.998B	6.84B	1.58	12.5	13.3	7.87	4.70	4.40	1.00	1.11 B	1.10 B
23	1.35 B	0.953B	6.92B	1.43	12.9	12.6	7.70	4.41	4.52	1.13	0.856B	1.29 B
24	1.31 B	0.997B	7.27B	8.70	11.8	11.3	7.45	4.41	4.42	1.12	0.674B	1.28 B
25	1.38 B	1.22 B	7.29B	9.27	5.48	11.3	7.20	4.61	4.26	1.22	0.817B	1.24 B
26	0.994B	1.26 B	7.40B	8.73A	8.49	11.5	7.35	4.73	4.25	1.51	0.897B	1.20 B
27	1.35 B	1.30 B	7.26B	8.68A	11.9	11.2	8.06	4.87	4.25	1.42	0.833B	1.16 B
28	1.27 B	1.40 B	7.89B	8.23	12.7	10.9	9.05	4.84	4.32	1.20	0.786B	1.19 B
29	1.41 B		9.73B	8.23	12.4	11.1	9.74	4.74	4.40	1.13	0.813B	1.17 B
30	1.39 B		12.1 B	8.24	11.6	10.3	9.52	4.68	4.49	1.11	0.835B	1.14 B
31	1.30 B		13.8 B		11.3		10.3	4.61		1.08		1.11 B
TOTAL	37.762	32.694	160.34	227.56	343.43	375.4	314.75	187.91	127.03	53.172	30.930	33.635
MEAN	1.22	1.17	5.17	7.59	11.1	12.5	10.2	6.06	4.23	1.72	1.03	1.09
MAX	1.47	1.40	13.8	14.7	14.0	14.1	15.0	9.92	4.57	4.61	1.27	1.40
MIN	0.922	0.926	1.18	1.43	5.48	10.3	7.20	4.41	3.50	0.992	0.674	0.697

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.27
MAXIMUM DAILY, 15.0 ON JUL 12
MINIMUM DAILY, 0.674B ON NOV 24
MAXIMUM INSTANTANEOUS,
15.8 AT 10:55 CST ON JUL 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 16 N
LONG 104 51 06 W
DRAINAGE AREA, 18 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 260	JUL	27 200
FEB	2 820	AUG	16 200
MAR	13 900	SEP	11 000
APR	19 700	OCT	4 590
MAY	29 700	NOV	2 670
JUN	32 400	DEC	2 910

TOTAL DISCHARGE, 166 000 dam³

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.87B	2.29B	1.69B	11.4 B	6.63	4.13	2.16	4.75	1.47	2.86	3.84	3.39B
2	2.73B	2.35B	1.64B	13.5 B	5.76	4.02	2.14	4.52	1.38	2.83	5.38	3.27B
3	2.79B	2.39B	1.63B	16.5 B	5.12	3.88	2.41	4.32	1.38	2.78	6.20	3.17B
4	2.80B	2.36B	1.64B	21.7 B	4.65	3.84	2.44	4.11	1.28	2.64	6.58	3.00B
5	2.77B	2.23B	1.62B	26.0 B	4.35	3.83	2.37	3.34	1.10	2.65	6.62B	2.90B
6	2.72B	2.14B	1.62B	29.1 B	4.11	3.67	2.55	2.74	0.923	2.66	6.67B	2.82B
7	2.74B	2.11B	1.60B	32.8 B	3.90	3.54	2.66	2.47	0.812	2.63	7.06B	2.77B
8	2.76B	2.07B	1.61B	32.9	3.81	3.60	2.60	2.35	0.751	2.59	7.09B	2.79B
9	2.63B	2.00B	1.62B	34.4	3.75	3.47	3.31	2.26	0.702	2.59	6.61B	2.80B
10	2.60B	1.95B	1.63B	39.7	3.68	3.36	4.02	2.17	0.678	2.56	6.61B	2.86B
11	2.55B	1.87B	1.53B	35.5	3.60	3.21	3.85	2.15	0.673	2.61	6.58B	2.88B
12	2.57B	1.96B	1.52B	33.7	3.54	3.08	3.45	2.12	0.644	4.42	6.53B	2.83B
13	2.61B	1.86B	1.71B	34.4	3.54	3.00	3.93	2.04	0.622	4.87	6.48B	2.80B
14	2.25B	1.83B	1.73B	35.8	3.52	3.01	4.28	1.96	0.586	4.69	6.07B	2.79B
15	2.32B	1.71B	2.30B	37.7	3.58	2.93	4.46	1.92	0.581	4.67	5.98B	2.66B
16	2.60B	1.50B	3.96B	39.1	3.98	2.89	4.59	1.91	0.521	4.68	6.23B	2.57B
17	2.64B	1.49B	6.03B	40.3	4.48	3.38	4.82	1.82	0.497	5.09	5.95B	2.53B
18	2.55B	1.63B	4.96B	40.9	5.52	5.10	4.84	1.79	0.480	6.09	5.74B	2.50B
19	2.50B	1.74B	4.69B	40.7	5.58	6.02	4.78	1.78	0.435	6.26	5.47B	2.42B
20	2.44B	1.87B	5.49B	40.3	6.57	5.09	4.76	1.75	0.425	6.15	5.40B	2.33B
21	2.44B	1.89B	5.30B	39.3	6.74	4.68	4.58	1.71	0.409	5.96	5.51B	2.25B
22	2.39B	1.83B	4.88B	37.7	6.65	5.50	4.44	1.81	0.389	5.86	5.08B	2.15B
23	2.41B	1.79B	4.23B	35.7	6.42	3.93	4.29	1.74	0.387	5.60	4.09B	2.01B
24	2.36B	1.76B	3.90B	33.8	6.19	3.34	4.12	1.68	0.378	5.27	3.40B	1.88B
25	2.36B	1.79B	2.62B	31.3	5.68	3.10	4.02	1.69	0.370	5.02	3.27B	1.80B
26	2.44B	1.83B	1.58B	28.8	5.32	2.81	4.10	1.74	0.338	4.70	3.43B	1.76B
27	2.40B	1.76B	1.47B	25.9	5.01	2.60	5.14	1.88	0.296	4.37	3.60B	1.75B
28	2.36B	1.73B	1.54B	20.8	4.83	2.49	5.33	1.90	0.353	4.24	3.67B	1.70B
29	2.23B		1.61B	10.9	4.66	2.36	5.38	1.82	2.19	4.19	3.75B	1.61B
30	2.03B		1.54B	7.85	4.45	2.19	5.40	1.71	2.86	3.84	3.61B	1.53B
31	2.16B		5.28B		4.28		5.14	1.56		3.67		1.46B
TOTAL	78.02	53.73	84.17	908.45	149.90	108.05	122.36	71.51	23.910	129.04	162.50	75.98
MEAN	2.52	1.92	2.72	30.3	4.84	3.60	3.95	2.31	0.797	4.16	5.42	2.45
MAX	2.87	2.39	6.03	40.9	6.74	6.02	5.40	4.75	2.86	6.26	7.09	3.39
MIN	2.03	1.49	1.47	7.85	3.52	2.19	2.14	1.56	0.296	2.56	3.27	1.46

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.39
MAXIMUM DAILY, 40.9 ON APR 18
MINIMUM DAILY, 0.296 ON SEP 27
MAXIMUM INSTANTANEOUS,
40.9 AT 23:59 CST ON APR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 29 28 N
LONG 101 33 28 W
DRAINAGE AREA, 50 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 740	JUL	10 600
FEB	4 640	AUG	6 180
MAR	7 270	SEP	2 070
APR	78 500	OCT	11 100
MAY	13 000	NOV	14 000
JUN	9 340	DEC	6 560

TOTAL DISCHARGE, 170 000 dam³

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0 B	0.041	0	0	0	0	0	---	---	1
2	---	---	OB	1.00 B	0.034	0	0	0	0	0	---	---	2
3	---	---	OB	8.05 B	0.024	0	0	0	0	0	---	---	3
4	---	---	OB	7.99 B	0.020	0	0	0	0	0	---	---	4
5	---	---	OB	5.26 B	0.018	0	0	0	0	0	---	---	5
6	---	---	OB	1.78 B	0.015	0	0	0	0	0	---	---	6
7	---	---	OB	1.23 B	0.016	0	0	0	0	0	---	---	7
8	---	---	OB	1.09 B	0.018	0	0	0	0	0	---	---	8
9	---	---	OB	0.516	0.016	0	0	0	0	0	---	---	9
10	---	---	OB	0.311	0.019	0	0	0	0	0	---	---	10
11	---	---	OB	0.267	0.020	0	0	0	0	0	---	---	11
12	---	---	OB	0.215	0.017	0	0	0	0	0	---	---	12
13	---	---	OB	0.181	0.013	0	0	0	0	0	---	---	13
14	---	---	OB	0.156	0.009	0	0	0	0	0	---	---	14
15	---	---	OB	0.117	0.006	0	0	0	0	0	---	---	15
16	---	---	OB	0.103	0.004	0	0	0	0	0	---	---	16
17	---	---	OB	0.119	0.004	0	0	0	0	0	---	---	17
18	---	---	OB	0.203	0.003	0	0	0	0	0	---	---	18
19	---	---	OB	0.196	0.002	0	0	0	0	0	---	---	19
20	---	---	OB	0.144	0.002	0	0	0	0	0	---	---	20
21	---	---	OB	0.110	0.002	0	0	0	0	0	---	---	21
22	---	---	OB	0.094	0.003	0	0	0	0	0	---	---	22
23	---	---	OB	0.083	0.001	0	0	0	0	0	---	---	23
24	---	---	OB	0.074	0.001	0	0	0	0	0	---	---	24
25	---	---	OB	0.079	0	0	0	0	0	0	---	---	25
26	---	---	OB	0.073	0	0	0	0	0	0	---	---	26
27	---	---	OB	0.058	0	0	0	0	0	0	---	---	27
28	---	---	OB	0.052	0	0	0	0	0	0	---	---	28
29	---	---	OB	0.052	0	0	0	0	0	0	---	---	29
30	---		OB	0.046	0	0	0	0	0	0	---	---	30
31	---		OB		0		0		0	0		---	31
TOTAL	---	---	0	29.649	0.308	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.988	0.010	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	8.05	0.041	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 8.05B ON APR 03
MINIMUM DAILY, OB ON MAR 01
MAXIMUM INSTANTANEOUS,
8.46B AT 16:14 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 11 N
LONG 104 14 50 W
DRAINAGE AREA, 273 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 560	OCT	0
MAY	26.6	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 590 dam³

RADVILLE INDEX RESERVOIR - STATION NO. 05NA009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	29.543A	30.500	30.353	30.256	30.323	30.497	30.378	30.238E	30.159	---	1
2	---	---	29.546A	30.484	30.346	30.258	30.323	30.488	30.375	30.236E	30.158A	---	2
3	---	---	29.557A	30.482	30.348	30.271	30.607	30.480	30.374	30.229E	---	---	3
4	---	---	29.575A	30.473	30.350	30.267	30.542	30.472	30.366A	30.221A	---	---	4
5	---	---	29.580A	30.472	30.346	30.268	30.513	30.466	30.366E	30.221	---	---	5
6	---	---	29.587A	30.466	30.345	30.265	30.506	30.458	30.362E	30.214	---	---	6
7	---	---	29.614	30.464	30.340	30.258	30.504	30.451	30.354E	30.213	---	---	7
8	---	---	29.658	30.456	30.337	30.260	30.502	30.441	30.350E	30.211	---	---	8
9	---	---	29.679	30.453	30.333	30.254	30.495A	30.431	30.344E	30.209	---	---	9
10	---	---	29.681	30.448	30.330	30.245	30.488A	30.425	30.341E	30.207	---	---	10
11	---	---	29.688	30.443	30.324	30.250	30.485E	30.423	30.338E	30.200	---	---	11
12	---	---	29.693	30.440	30.317	30.239	30.481E	30.418	30.329E	30.195	---	---	12
13	---	---	29.713	30.436	30.315	30.233	30.478E	30.412	30.323E	30.198	---	---	13
14	---	---	29.715	30.433	30.310	30.229	30.470E	30.408	30.316E	30.195	---	---	14
15	---	---	29.718	30.427	30.309	30.222	30.464A	30.401	30.312E	30.191	---	---	15
16	---	---	29.716	30.421	30.323	30.218	30.461A	30.395	30.304E	30.188	---	---	16
17	---	---	29.718	30.415	30.311	30.220	30.455A	30.391	30.303E	30.187	---	---	17
18	---	---	29.717	30.411	30.300	30.219	30.449A	30.413	30.297E	30.184	---	---	18
19	---	---	29.717	30.410	30.301	30.224	30.446E	30.414	30.292E	30.186	---	---	19
20	---	---	29.722	30.404	30.298	30.217	30.444A	30.415	30.289E	30.181	---	---	20
21	---	---	29.724A	30.398	30.309	30.212	30.441A	30.410	30.279E	30.178	---	---	21
22	---	---	29.723E	30.393	30.309	30.204	30.435A	30.408	30.274E	30.180	---	---	22
23	---	---	29.724E	30.386	30.302	30.196	30.431	30.403	30.270E	30.175	---	---	23
24	---	---	29.724E	30.383	30.294	30.196	30.424	30.397	30.269E	30.172	---	---	24
25	---	---	29.725E	30.380	30.285	30.187	30.419	30.398	30.265E	30.174	---	---	25
26	---	---	29.725E	30.372	30.282	30.194	30.499	30.400	30.260E	30.173	---	---	26
27	---	---	29.726A	30.364	30.281	30.251	30.535	30.407	30.253E	30.165	---	---	27
28	---	29.506A	29.809A	30.365	30.279	30.261	30.530	30.403	30.249E	30.164	---	---	28
29	---		30.057A	30.366	30.270	30.304	30.517	30.396	30.239E	30.163	---	---	29
30	---		30.495	30.362	30.262	30.294	30.508	30.392	30.241E	30.160	---	---	30
31	---		30.531		30.261		30.503	30.386		30.161		---	31
MEAN	---	---	29.745	30.424	30.312	30.239	30.473	30.423	30.310	30.193	---	---	MEAN
MAX	---	---	30.531	30.500	30.353	30.304	30.607	30.497	30.378	30.238	---	---	MAX
MIN	---	---	29.543	30.362	30.261	30.187	30.323	30.386	30.239	30.160	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.607 ON JUL 03

MAXIMUM INSTANTANEOUS,
30.688 AT 06:43 CST ON JUL 03

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 35 N
LONG 104 16 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3.37 km²

RANCH CREEK ABOVE RANCH LAKE - STATION NO. 05MA025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.90 B	0.088	0	0	0	0	0	---	---	1
2	---	---	0 B	2.95 B	0.080	0	0	0	0	0	---	---	2
3	---	---	0 B	1.94 B	0.052	0	0	0	0	0	---	---	3
4	---	---	0 B	1.31 B	0.079	0	0	0	0	0	---	---	4
5	---	---	0 B	0.592B	0.052	0	0	0	0	0	---	---	5
6	---	---	0 B	0.499B	0.038	0	0	0	0	0	---	---	6
7	---	---	0 B	0.242B	0.034	0	0	0	0	0	---	---	7
8	---	---	0 B	0.081B	0.035	0	0	0	0	0	---	---	8
9	---	---	0 B	0.104B	0.027	0	0	0	0	0	---	---	9
10	---	---	0 B	0.134B	0.023	0	0	0	0	0	---	---	10
11	---	---	0 B	0.155B	0.034	0	0	0	0	0	---	---	11
12	---	---	0 B	0.081B	0.032	0	0	0	0	0	---	---	12
13	---	---	0 B	0.058B	0.022	0	0	0	0	0	---	---	13
14	---	---	0 B	0.055B	0.016	0	0	0	0	0	---	---	14
15	---	---	0 B	0.032	0.015	0	0	0	0	0	---	---	15
16	---	---	0 B	0.028	0.015	0	0	0	0	0	---	---	16
17	---	---	0.114B	0.030	0.002E	0	0	0	0	0	---	---	17
18	---	---	0.630B	0.029	0.001E	0	0	0	0	0	---	---	18
19	---	---	0.668B	0.027	0.001E	0	0	0	0	0	---	---	19
20	---	---	0.201B	0.022	0 E	0	0	0	0	0	---	---	20
21	---	---	0.070B	0.032	0 E	0	0	0	0	0	---	---	21
22	---	---	0.035B	0.059	0.021A	0	0	0	0	0	---	---	22
23	---	---	0.008B	0.089	0.022	0	0	0	0	0	---	---	23
24	---	---	0.004B	0.042	0.015A	0	0	0	0	0	---	---	24
25	---	---	0.001B	0.037	0.002E	0	0	0	0	0	---	---	25
26	---	---	0 B	0.039	0.001E	0	0	0	0	0	---	---	26
27	---	---	0 B	0.033	0.001E	0	0	0	0	0	---	---	27
28	---	---	0 B	0.035E	0 E	0	0	0	0	0	---	---	28
29	---	---	1.42 B	0.034E	0 E	0	0	0	0	0	---	---	29
30	---		6.51 B	0.040A	0	0	0	0	0	0	---	---	30
31	---		5.93 B		0		0	0		0		---	31
TOTAL	---	---	15.591	13.709	0.708	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.503	0.457	0.023	0	0	0	0	0	---	---	MEAN
MAX	---	---	6.51	4.90	0.088	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.022	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.122
MAXIMUM DAILY, 6.51B ON MAR 30
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
6.82B AT 03:17 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 24 19 N
LONG 104 47 19 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 350	SEP	0
APR	1 180	OCT	0
MAY	61.2	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 590 dam³

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.026B	0.420	0.135	0.852	0.001	0	0	---	---	1
2	---	---	0 B	0.014B	0.424	0.112	0.807	0.001	0	0	---	---	2
3	---	---	0 B	0.077B	0.421	0.141	0.854	0	0	0	---	---	3
4	---	---	0 B	0.057B	0.376	0.128	0.817	0	0	0	---	---	4
5	---	---	0 B	0.144B	0.389	0.103	0.829	0	0	0	---	---	5
6	---	---	0 B	0.155B	0.378	0.104	0.836	0	0	0.020	---	---	6
7	---	---	0 B	0.133B	0.354	0.102	0.809	0	0	0.025	---	---	7
8	---	---	0 B	0.124B	0.330	0.088	0.812	0	0	0.015	---	---	8
9	---	---	0 B	0.119B	0.347	0.068	0.830	0	0	0.013	---	---	9
10	---	---	0 B	0.093B	0.332	0.057	1.57	0	0	0.009	---	---	10
11	---	---	0 B	1.02 B	0.317	0.053	6.62	0	0	0.007	---	---	11
12	---	---	0 B	3.71 B	0.317	0.041	6.60	0	0.002	0.007	---	---	12
13	---	---	0 B	3.20	0.302	0.022	6.17	0	0.001	0.007	---	---	13
14	---	---	0 B	0.240	0.306	0.018	4.32	0	0.001	0.005	---	---	14
15	---	---	0 B	0.253	0.288	0.085	4.16	0	0.001	0.004	---	---	15
16	---	---	0 B	0.291	0.222	0.812	4.19	0	0.001	0.003	---	---	16
17	---	---	0 B	0.328	0.255	0.012	4.06	0	0.001	0.002	---	---	17
18	---	---	0 B	0.343	0.295	0.009	2.04	0	0	0.002	---	---	18
19	---	---	0 B	0.324	0.262	0.008	0.043	0	0	0.002	---	---	19
20	---	---	0 B	0.331	0.239	0.006	0.004	0	0	0.002	---	---	20
21	---	---	0 B	0.342	0.241	0.003	0.002	0	0	0.001	---	---	21
22	---	---	0 B	0.360	0.230	0.002	0.002	0	0	0.001	---	---	22
23	---	---	0 B	0.363	0.231	0.002	0.002	0	0	0.001	---	---	23
24	---	---	0 B	0.369	0.224	0.004	0.002	0	0	0.001	---	---	24
25	---	---	0.001B	0.383	0.206	0.004	0.001	0	0	0	---	---	25
26	---	---	0.001B	0.385	0.195	0.004	0.002	0	0	0	---	---	26
27	---	---	0.001B	0.382	0.188	0.005	0.005	0	0	0	---	---	27
28	---	---	0.001B	0.377	0.174	0.001	0.002	0	0	0.001	---	---	28
29	---	---	0.012B	0.401	0.177	0.169	0.001	0	0	0.001	---	---	29
30	---		0.007B	0.396	0.184	0.862	0.001	0	0	0.001	---	---	30
31	---		0.041B		0.161		0.001	0		0		---	31
TOTAL	---	---	0.064	16.740	8.785	3.162	47.246	0.002	0.007	0.130	---	---	TOTAL
MEAN	---	---	0.002	0.558	0.283	0.105	1.52	0	0	0.004	---	---	MEAN
MAX	---	---	0.041	5.71	0.424	0.862	6.62	0.001	0.002	0.025	---	---	MAX
MIN	---	---	0	0.014	0.161	0.002	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.311
MAXIMUM DAILY, 6.62 ON JUL 11
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
7.32 AT 08:51 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 26 06 N
LONG 103 41 49 W
DRAINAGE AREA, 1 870 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 080
FEB	---	AUG	0.173
MAR	5.53	SEP	0.605
APR	1 450	OCT	11.2
MAY	759	NOV	---
JUN	273	DEC	---

TOTAL DISCHARGE, 6 580 dam³

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.926B	0.526B	0.320B	10.6B	25.6	10.6	12.7	2.44	0.207	0.084	0.356	0.256B	1
2	0.337B	0.528B	0.302B	11.0B	25.8	9.16	13.9	2.33	0.206	0.077	0.376	0.123B	2
3	0.213B	0.553B	0.318B	58.4B	25.4	8.51	14.4	2.44	0.192	0.139	0.409	0.087B	3
4	0.222B	0.564B	0.338B	74.7B	28.6	7.97	16.9	1.91	0.173	0.245	0.416	0.072B	4
5	0.319B	0.583B	0.360B	79.9B	34.7	8.04	19.1	1.60	0.173	0.224	0.401	0.076B	5
6	0.479B	0.608B	0.382B	74.7B	40.0	7.84	25.5	1.35	0.156	0.234	0.311B	0.061B	6
7	0.538B	0.629B	0.421B	59.8B	42.8	8.49	27.2	1.19	0.132	0.251	0.345B	0.129B	7
8	0.612B	0.717B	0.480B	47.8	43.8	8.98	26.2	1.04	0.113	0.252	0.390B	0.138B	8
9	0.618B	0.829B	0.529B	36.4	43.0	9.49	26.0	0.926	0.118	0.254	0.356B	0.117B	9
10	0.500B	0.909B	0.583B	24.3	44.2	9.76	22.9	0.803	0.117	0.262	0.298B	0.110B	10
11	0.371B	0.985B	0.627B	19.8	44.8	9.64	20.7	0.691	0.109	0.268	0.280B	0.102B	11
12	0.444B	1.01 B	0.642B	18.8	42.1	9.97	18.1	0.593	0.091	0.245	0.279B	0.118B	12
13	0.599B	0.952B	0.648B	17.5	39.0	10.4	15.2	0.513	0.090	0.235	0.288B	0.147B	13
14	0.737B	0.883B	0.660B	18.0	35.9	10.5	12.6	0.442	0.085	0.207	0.293B	0.106B	14
15	0.810B	0.699B	0.585B	16.9	31.7	9.90	10.3	0.379	0.081	0.235	0.286B	0.090B	15
16	0.833B	0.533B	0.571B	15.3	29.1	9.24	8.76	0.329	0.075	0.266	0.259B	0.087B	16
17	0.875B	0.431B	0.540B	17.4	28.5	8.67	8.28	0.326	0.070	0.279	0.253B	0.104B	17
18	0.828B	0.347B	0.493B	15.2	29.6	8.52	8.15	0.298	0.068	0.267	0.268B	0.119B	18
19	0.762B	0.320B	0.467B	15.7	27.6	7.35	7.63	0.290	0.059	0.281	0.272B	0.124B	19
20	0.870B	0.326B	0.449B	19.5	27.2	6.74	7.03	0.281	0.064	0.279	0.262B	0.134B	20
21	1.01 B	0.307B	0.424B	25.6	28.6	6.26	6.43	0.270	0.081	0.281	0.269B	0.111B	21
22	1.05 B	0.278B	0.374B	30.6	27.7	6.36	5.93	0.265	0.087	0.276	0.267B	0.111B	22
23	0.730B	0.273B	0.332B	37.2	26.3	5.74	5.48	0.234	0.091	0.280	0.253B	0.120B	23
24	0.631B	0.253B	0.320B	43.4	25.2	5.41	5.05	0.208	0.087	0.305	0.234B	0.128B	24
25	0.628B	0.244B	0.339B	44.3	24.7	4.65	4.43	0.226	0.080	0.327	0.137B	0.108B	25
26	0.630B	0.262B	0.316B	41.7	22.3	4.05	3.93	0.205	0.078	0.347	0.125B	0.090B	26
27	0.651B	0.295B	0.304B	37.5	20.0	4.73	3.55	0.224	0.074	0.338	0.229B	0.100B	27
28	0.688B	0.329B	0.307B	31.5	17.6	4.71	3.52	0.190	0.078	0.335	0.107B	0.114B	28
29	0.777B		0.340B	26.5	15.6	6.22	3.43	0.175	0.079	0.346	0.113B	0.116B	29
30	0.724B		3.17 B	25.9	13.7	9.46	3.08	0.199	0.084	0.354	0.230B	0.095B	30
31	0.581B		7.21 B		12.1		2.68	0.231		0.359		0.139B	31
TOTAL	19.893	15.173	23.151	1 015.9	922.3	237.35	369.26	22.378	3.198	8.132	8.362	3.532	TOTAL
MEAN	0.642	0.542	0.747	33.9	29.8	7.91	11.9	0.722	0.107	0.262	0.279	0.114	MEAN
MAX	1.05	1.01	7.21	79.9	44.8	10.6	27.2	2.44	0.207	0.359	0.416	0.256	MAX
MIN	0.213	0.244	0.302	10.6	12.1	4.05	2.68	0.175	0.059	0.077	0.107	0.061	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.26
MAXIMUM DAILY, 79.9B ON APR 05
MINIMUM DAILY, 0.059 ON SEP 19
MAXIMUM INSTANTANEOUS,
103B AT 00:05 CST ON APR 06

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 51 36 N
LONG 102 11 39 W
DRAINAGE AREA, 11 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 720	JUL	31 900
FEB	1 310	AUG	1 930
MAR	2 000	SEP	276
APR	87 800	OCT	703
MAY	79 700	NOV	722
JUN	20 500	DEC	305

TOTAL DISCHARGE, 229 000 dam³

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.984B	2.80	0.823	0.794	0.041	OE	OE	---	---	1
2	---	---	0.002B	1.16 B	2.82	0.747	0.526	0.035	OE	OE	---	---	2
3	---	---	0.002B	1.86 B	2.85	0.660	0.431	0.032E	OE	OE	---	---	3
4	---	---	0.002B	3.73 B	2.90	0.659	1.76	0.027E	OE	OE	---	---	4
5	---	---	0.002B	3.89 B	2.72	0.687	2.29	0.025E	OA	OE	---	---	5
6	---	---	0.002B	2.58 B	2.65	0.995	2.20	0.018E	OE	OE	---	---	6
7	---	---	0.002B	2.65 B	2.32	1.41	2.00	0.012E	OE	OE	---	---	7
8	---	---	0.002B	2.82 B	2.41	1.46	2.02	0.008E	OE	OE	---	---	8
9	---	---	0.002B	2.80 B	2.36	1.19	2.07	0.003E	OE	OE	---	---	9
10	---	---	0.002B	2.52 B	2.68	0.956	2.05	0 E	OE	OE	---	---	10
11	---	---	0.002B	2.23 B	2.46	0.817	1.94	0 E	OE	OE	---	---	11
12	---	---	0.002B	2.06 B	2.31	0.829	2.64	0 E	OE	OE	---	---	12
13	---	---	0.002B	3.24 B	2.31	0.943	4.91	0 E	OE	OE	---	---	13
14	---	---	0.002B	5.55 B	1.96	0.643	5.11	0 E	OE	OE	---	---	14
15	---	---	0.002B	3.62 B	1.75	0.552	4.65	0 E	OE	OE	---	---	15
16	---	---	0.002B	2.89 B	1.55	0.433	4.06	0 E	OE	OE	---	---	16
17	---	---	0.002B	2.76 B	1.52	0.409	4.00	0 E	OE	OE	---	---	17
18	---	---	0.002B	1.90 B	1.66	0.327	3.79	0 E	OE	OE	---	---	18
19	---	---	0.002B	1.79 B	1.68	0.529	3.56	0 E	OE	OE	---	---	19
20	---	---	0.002B	1.84 B	1.50	0.631	2.84	0 E	OE	OE	---	---	20
21	---	---	0.002B	1.83 B	1.52	0.713	1.74	0 E	OE	OE	---	---	21
22	---	---	0.002B	2.45	1.56	0.677	1.00	0 E	OE	OE	---	---	22
23	---	---	0.002B	2.36	1.48	0.572	0.651	0 E	OE	OE	---	---	23
24	---	---	0.002B	2.24	1.37	0.461	0.255	0 E	OE	OE	---	---	24
25	---	---	0.002B	2.20	1.27	0.250	0.150	0 E	OE	OE	---	---	25
26	---	---	0.002B	2.32	1.03	0.186	0.101	0 E	OE	OE	---	---	26
27	---	---	0.002B	2.34	0.698	0.401	0.103	0 E	OA	OE	---	---	27
28	---	---	0.002B	2.52	0.585	1.33	0.103	0 E	OE	OE	---	---	28
29	---	---	0.006B	2.58	0.574	1.74	0.083	0 E	OE	OE	---	---	29
30	---		0.096B	2.68	0.618	1.15	0.061	0 E	OE	OE	---	---	30
31	---		0.426B		0.751		0.053	0 E		OE	---	---	31
TOTAL	---	---	0.584	76.094	56.566	23.180	57.941	0.201	0	0	---	---	TOTAL
MEAN	---	---	0.019	2.54	1.82	0.773	1.87	0.007	0	0	---	---	MEAN
MAX	---	---	0.426	5.25	2.90	1.74	5.11	0.041	0	0	---	---	MAX
MIN	---	---	0.002	0.984	0.574	0.186	0.053	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.876
MAXIMUM DAILY, 5.25B ON APR 14
MINIMUM DAILY, OE ON AUG 10
MAXIMUM INSTANTANEOUS,
5.95 AT 18:07 CST ON JUL 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 39 16 N
LONG 103 30 56 W
DRAINAGE AREA, 3 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	5 010
FEB	---	AUG	17.4
MAR	50.5	SEP	0
APR	6 570	OCT	0
MAY	4 890	NOV	---
JUN	2 000	DEC	---

TOTAL DISCHARGE, 18 500 dam³

REDBERRY LAKE NEAR KRYDOR - STATION NO. 05GD003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	504.002	504.019	504.025	503.913	---	503.712	---	1
2	---	---	---	---	---	503.997	504.043E	504.015	503.905	503.778	---	---	2
3	---	---	---	---	---	504.003	504.068	504.005	503.901	503.774	---	---	3
4	---	---	---	---	---	504.003	504.068	504.007	503.903	503.774	---	---	4
5	---	---	---	---	503.951	504.014	504.069	504.005	503.901	503.774	---	---	5
6	---	---	---	---	503.951	504.010	504.071	504.007	503.900	---	---	---	6
7	---	---	---	---	503.951	504.019	504.076	503.999E	503.895	503.770	---	---	7
8	---	---	---	---	503.951	504.015	504.080	503.991	503.887	503.766	---	---	8
9	---	---	---	---	503.953	504.016	504.071	503.987	503.885	---	---	---	9
10	---	---	---	---	503.953	504.014	504.083	503.985	503.880E	503.756	---	---	10
11	---	---	---	---	503.953	504.022E	504.084	503.980	503.875	---	---	---	11
12	---	---	---	---	---	504.029	504.086	503.977	503.873	---	---	---	12
13	---	---	---	---	---	504.028	504.083	503.976E	503.869	---	---	---	13
14	---	---	---	---	---	504.022	504.073	503.975	503.869	503.756	503.708	---	14
15	---	---	---	---	503.955	504.021	504.064	503.970	503.865	---	503.708	---	15
16	---	---	---	---	503.955	504.019	504.066	503.973	503.857	503.746	---	---	16
17	---	---	---	---	503.961	504.018	504.067	503.965	503.855	---	---	---	17
18	---	---	---	---	503.961	504.014	504.023	503.957	503.855	---	---	---	18
19	---	---	---	---	503.961	504.011	504.031	503.957	503.838	---	---	---	19
20	---	---	---	---	503.965	504.011	504.027	503.943	503.836	---	503.706	---	20
21	---	---	---	---	503.971	504.012	504.025	503.955	503.834	503.726	---	---	21
22	---	---	---	---	503.976	504.012	504.025	503.961	503.834	---	---	---	22
23	---	---	---	---	503.971	504.013	504.023E	503.949	503.828	---	---	---	23
24	---	---	---	---	503.981	504.013	504.021	503.945	503.826E	503.716	---	---	24
25	---	---	---	---	503.986	504.016	504.021	503.945	503.824	---	---	---	25
26	---	---	---	---	503.991	504.008	504.023	503.935	503.820	---	---	---	26
27	---	---	---	---	503.991	504.025	504.035	503.930	503.816	---	---	---	27
28	---	---	---	---	503.996	504.031	504.033	503.927	503.814	---	---	---	28
29	---		---	---	---	504.026	504.031	503.925	503.804	---	---	---	29
30	---		---	---	---	504.026	504.029	503.919	503.798	---	---	---	30
31	---		---		504.001		504.027	503.911		---		---	31
MEAN	---	---	---	---	---	504.016	504.050	503.968	503.859	---	---	---	MEAN
MAX	---	---	---	---	---	504.031	504.086	504.025	503.913	---	---	---	MAX
MIN	---	---	---	---	---	503.997	504.019	503.911	503.798	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 504.086 ON JUL 12

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 41 49 N
LONG 107 06 23 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

DRAINAGE AREA,
1 120 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REID LAKE NEAR DUNCAIRN - STATION NO. 05HD033

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	804.712	804.765	804.909	805.740	806.023	805.949	805.440	804.926	804.643	804.451	804.354	804.363A	1
2	804.710	804.770	804.938	805.768	806.026	805.908	805.428	804.905	804.636	804.456	804.351A	804.361A	2
3	804.710	804.775	804.968	805.791	806.029	805.889	805.442	804.887	804.626	804.442	804.349A	804.363A	3
4	804.712	804.774	805.003	805.804	806.024	805.882	805.396	804.877	804.627	804.427	804.350	804.367	4
5	804.714	804.773	805.048	805.822	806.039	805.846	805.386A	804.868	804.617	804.423	804.345	804.364	5
6	804.720	804.773	805.100	805.841	806.050	805.815	805.393	804.862	804.605	804.414A	804.348A	804.364	6
7	804.722	804.771	805.152	805.854	806.043	805.786	805.385	804.850	804.602	804.413	804.358	804.366	7
8	804.723	804.771	805.204	805.858	806.037	805.763	805.379	804.839	804.590	804.413	804.349	804.367	8
9	804.724	804.768	805.248	805.866	806.051	805.738	805.370	804.829	804.583	804.415	804.345	804.370	9
10	804.735	804.772	805.283	805.882	806.054	805.710	805.358	804.823	804.582	804.410	804.349	804.370	10
11	804.738	804.776	805.319	805.894	806.058	805.706	805.351	804.811	804.576	804.399	804.343	804.376	11
12	804.742	804.772	805.354	805.902	806.055	805.657	805.352	804.806	804.571	804.405	804.350	804.374	12
13	804.747	804.769	805.384	805.910	806.074	805.609	805.332	804.793	804.556	804.393	804.358	804.376	13
14	804.746	804.775	805.402	805.922	806.079	805.588	805.319	804.786	804.549	804.392	804.354	804.378	14
15	804.752	804.775	805.412	805.924	806.078	805.564	805.312	804.780	804.544	804.387A	804.355	804.382	15
16	804.750	804.774	805.428	805.934	806.093	805.557	805.299	804.766	804.537	804.380	804.356	804.380	16
17	804.749	804.776	805.441	805.949	806.102	805.556	805.268	804.752	804.527	804.386	804.356	804.380	17
18	804.752	804.778	805.455	805.956	806.107	805.552	805.252	804.742	804.523	804.385	804.354	804.381	18
19	804.755	804.784	805.472	805.961	806.108	805.543	805.232	804.736	804.516	804.380	804.354A	804.380	19
20	804.755	804.787	805.486	805.969	806.114	805.537	805.210	804.734	804.506	804.374	804.353A	804.381	20
21	804.758	804.787	805.498	805.971	806.133	805.534	805.189	804.731	804.493	804.377	804.355A	804.382	21
22	804.761	804.791	805.508	805.978	806.128	805.531	805.162	804.726	804.491	804.367	804.351A	804.381	22
23	804.760	804.802	805.523	805.979	806.116	805.530	805.137	804.712	804.490	804.368	804.352A	804.387	23
24	804.760	804.818	805.544	805.983	806.097	805.518A	805.109	804.693	804.484	804.370	804.359E	804.389	24
25	804.761	804.831	805.561	805.987	806.078	805.505	805.080	804.684	804.481	804.373	804.354A	804.384	25
26	804.760	804.844	805.576	805.987	806.065	805.501	805.066	804.682	804.472	804.375	804.359A	804.387	26
27	804.762	804.863	805.597	805.993	806.052	805.492	805.047	804.684	804.467	804.364	804.363A	804.390	27
28	804.764	804.884	805.625	805.991	806.051	805.471	805.018	804.677	804.462	804.369	804.365A	804.379	28
29	804.759		805.657	805.994	806.015	805.462	804.994	804.671	804.463	804.360	804.368	804.375	29
30	804.757		805.688	806.012	805.989	805.456	804.972	804.669	804.454	804.359	804.367A	804.372	30
31	804.761		805.713		805.970		804.949	804.656		804.357		804.369	31
MEAN	804.743	804.789	805.371	805.914	806.062	805.639	805.246	804.773	804.542	804.393	804.354	804.375	MEAN
MAX	804.764	804.884	805.713	806.012	806.133	805.949	805.442	804.926	804.643	804.456	804.368	804.390	MAX
MIN	804.710	804.765	804.909	805.740	805.970	805.456	804.949	804.656	804.454	804.357	804.343	804.361	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 805.018
MAXIMUM DAILY, 806.133 ON MAY 21
MINIMUM DAILY, 804.343 ON NOV 11
MAXIMUM INSTANTANEOUS,
806.159 AT 18:19 CST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 25 N
LONG 108 02 47 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1945

DRAINAGE AREA,
2 470 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - THE PEAK WATER LEVEL OCCURRED DURING A PERIOD OF POOR RECORD QUALITY

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	498	443	511	505	345	205	217A	272	274	264	271	440	1
2	498	445	508	502	346	205	246	271	272	266	271	454	2
3	499	446	508	502	348	206	257	269	270	271	270	460	3
4	495A	447	510	498	349	205	262	268	270	271	269	464	4
5	494	445	510	495	351	204	265	270	269	269	269	466	5
6	496	447	510	492	355	203	267	270	268	270	285	467	6
7	497	447	515	493	358	193	269	270	267	269	337	468	7
8	499	447	530	490	357	169	271	270	265	269	358	469	8
9	498	446	535	488	357	158	271	269	266	268	367	469	9
10	500	451	535	486	357	153	271	269	267	272	373	468	10
11	500	496	537	484	357	150	272	269	268	278	379	469	11
12	497A	511	535	470A	345	148	272	269	268	277	381	469	12
13	499	513	533	399A	314	145	273	268	267	278	384	467	13
14	500A	515	532	374	305	144	272	270	267	277	384	467	14
15	498A	517	530	362	299	145	272	270	267	276	384	466	15
16	497	518	528	355	296	145	271	269	266	274	384	468	16
17	497	518	526	352	280A	143	270	269	266	274	384	466	17
18	495	518	520	351	237A	142	271	268	266	274	383	464	18
19	496	517	521	349	224	140	271	267	266	274	384	461	19
20	495	519	520	347	216	139	271	267	267	274	384	460	20
21	499	519	520	349	212	139	271	267	266	272	386	466	21
22	500	518	517	348	208	149A	271	269	266	272	387	496	22
23	501	517	514	349	207	175	270	275	266	273	387	509	23
24	501	511	514	350	207	186	271	273	266	272	388	514	24
25	500	510	513	350	194	192	271	270	266	270	386	514	25
26	494	510	510	347	193	196	270	269	266	271	386	515	26
27	465	510	509	348	197	200	271	268	265	271	386	519	27
28	454	511	511	347	194A	204	271	268	264	271	386	521	28
29	450		512	346	199	205	271	268	263	270	387	519	29
30	446		513	346	204A	206	270	270	263	270	397	518	30
31	444		510		202		271	275		271		518	31
TOTAL	15 202	13 712	16 097	12 274	8 613	5 194	8 289	8 356	8 007	8 428	10 777	14 891	TOTAL
MEAN	490	490	519	409	278	173	267	270	267	272	359	480	MEAN
MAX	501	519	537	505	358	206	273	275	274	278	397	521	MAX
MIN	444	443	508	346	193	139	217	267	263	264	269	440	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 356
MAXIMUM DAILY, 537 ON MAR 11
MINIMUM DAILY, 139 ON JUN 20
MAXIMUM INSTANTANEOUS,
538 AT 20:55 CST ON MAR 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 11 35 N
LONG 103 09 31 W
DRAINAGE AREA, 63 300 km²
A - MANUAL GAUGE

REGULATED SINCE 1938

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 310 000	JUL	716 000
FEB	1 180 000	AUG	722 000
MAR	1 390 000	SEP	692 000
APR	1 060 000	OCT	728 000
MAY	744 000	NOV	931 000
JUN	449 000	DEC	1 290 000

TOTAL DISCHARGE, 11 200 000 dam³

REMARKS - ACCURACY OF CALCULATED DISCHARGES IS QUESTIONABLE FOLLOWING GATE ADJUSTMENTS AT WHITESAND DAM

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AB058

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	1.06	0	0	0	0	---	---	1
2	---	---	0	0	0	0.163	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0.001	0	0	0	0	0	---	---	7
8	---	---	0	0	0.722	0	0	0	0	0	---	---	8
9	---	---	0	0	0.888	0	0	0	0	0	---	---	9
10	---	---	0	0	0.895	0	0	0	0	0	---	---	10
11	---	---	0	0	0.881	0	0	0	0	0	---	---	11
12	---	---	0	0	0.894	0	0	0	0	0	---	---	12
13	---	---	0	0	0.879	0	0	0	0	0	---	---	13
14	---	---	0	0	0.877	0	0	0	0	0	---	---	14
15	---	---	0	0	0.846	0	0	0	0	0	---	---	15
16	---	---	0	0	0.835	0	0	0	0	0	---	---	16
17	---	---	0	0	0.853	0	0	0	0	0	---	---	17
18	---	---	0	0	0.896	0	0	0	0	0	---	---	18
19	---	---	0	0	0.590	0	0	0	0	0	---	---	19
20	---	---	0	0	0.009	0	0	0	0	0	---	---	20
21	---	---	0	0	0.005	0	0	0	0	0	---	---	21
22	---	---	0	0	0.003	0	0	0	0	0	---	---	22
23	---	---	0	0	0.003	0	0	0	0	0	---	---	23
24	---	---	0	0	0.003	0	0	0	0	0	---	---	24
25	---	---	0	0	0.003	0	0	0	0	0	---	---	25
26	---	---	0	0	0.002	0	0	0	0	0	---	---	26
27	---	0	0	0	0.890	0	0	0	0	0	---	---	27
28	---	0	0	0	1.19	0	0	0	0	0	---	---	28
29	---		0	0	1.27	0	0	0	0	0	---	---	29
30	---		0	0	1.40	0	0	0	0	0	---	---	30
31	---		0		1.23		0	0		0		---	31
TOTAL	---	---	0	0	16.065	1.223	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.518	0.041	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.40	1.06	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.071
MAXIMUM DAILY, 1.40 ON MAY 30
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 50 N
LONG 109 32 12 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	1 390	NOV	---
JUN	106	DEC	---

TOTAL DISCHARGE, 1 500 dam³

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0 B	0.176	0.014	0.009	0.001E	0.012	0	0	0.001A	---	1
2	---	0B	0.896B	0.143	0.018	0.009	0.001E	0.004	0	0	---	---	2
3	---	0B	0.938B	0.112	0.017	0.019	0.001E	0.001	0	0	---	---	3
4	---	0B	1.01 B	0.089	0.015	0.013	0.001E	0.001	0	0	---	---	4
5	---	0B	0.854B	0.076	0.014	0.017	0.001A	0.001	0	0	---	---	5
6	---	0B	0.963B	0.067	0.014	0.017	0.006	0.001	0	0	---	---	6
7	---	0B	0.924B	0.043	0.013	0.018	0.006	0	0	0	---	---	7
8	---	0B	0.707B	0.031	0.010	0.020	0.002	0	0	0	---	---	8
9	---	0B	0.606B	0.027	0.008	0.022	0.001	0	0.001	0	---	---	9
10	---	0B	0.435B	0.028	0.006	0.022	0.001	0	0	0	---	---	10
11	---	0B	0.391B	0.030	0.007	0.019A	0.001	0	0	0	---	---	11
12	---	0B	0.214B	0.025	0.007	0.025E	0.001	0	0	0	---	---	12
13	---	0B	0.055B	0.024	0.009	0.032E	0.001	0	0	0	---	---	13
14	---	0B	0.141B	0.023	0.007	0.027E	0.001	0	0	0	---	---	14
15	---	0B	0.140B	0.020	0.009	0.024E	0.001	0	0	0	---	---	15
16	---	0B	0.119B	0.018	0.011	0.018E	0	0	0	0	---	---	16
17	---	0B	0.094B	0.019	0.009	0.014E	0	0	0	0	---	---	17
18	---	0B	0.071B	0.015	0.010	0.012E	0	0	0	0.001	---	---	18
19	---	0B	0.082B	0.015	0.009	0.009E	0	0	0	0.001	---	---	19
20	---	0B	0.110	0.015	0.010	0.005E	0	0	0	0.001	---	---	20
21	---	0B	0.094	0.016	0.026	0.003A	0	0	0	0.001	---	---	21
22	---	0B	0.065	0.014	0.019	0.002	0	0	0	0.001	---	---	22
23	---	0B	0.060	0.019	0.017	0.002	0	0	0	0.001	---	---	23
24	---	0B	0.053	0.014	0.012	0.001	0	0	0	0.001	---	---	24
25	---	0B	0.063	0.017	0.010	0.001	0	0	0	0.001	---	---	25
26	---	0B	0.067	0.017	0.008	0.001	0	0	0	0.001	---	---	26
27	---	0B	0.084	0.015	0.008	0.001	0.002	0	0	0.001	---	---	27
28	---	0B	0.169	0.013	0.008	0.001	0.003	0	0	0.001	---	---	28
29	---		0.367	0.016	0.009	0.001A	0.001	0	0	0.001	---	---	29
30	---		0.345	0.016	0.008	0.001E	0.001	0	0	0.001	---	---	30
31	---		0.260		0.009		0.011	0		0.001		---	31
TOTAL	---	0	10.377	1.153	0.351	0.365	0.044	0.020	0.001	0.014	---	---	TOTAL
MEAN	---	0	0.335	0.038	0.011	0.012	0.001	0.001	0	0.001	---	---	MEAN
MAX	---	0	1.01	0.176	0.026	0.032	0.011	0.012	0.001	0.001	---	---	MAX
MIN	---	0	0	0.013	0.006	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 1.01B ON MAR 04
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
1.36B AT 00:29 CST ON MAR 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 05 N
LONG 106 19 46 W
DRAINAGE AREA, 460 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.80
FEB	0	AUG	1.73
MAR	897	SEP	0.086
APR	99.6	OCT	1.21
MAY	30.3	NOV	---
JUN	31.5	DEC	---

TOTAL DISCHARGE, 1 070 dam³

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.006B	0.001B	0.023B	3.51	0.204	0.059	0.002	0.190	0	0	0.001	0.016B	1
2	0.006B	0.003B	0.024B	2.38	0.198	0.057	0.001	0.110	0	0	0.001	0.014B	2
3	0.006B	0.006B	0.026B	1.36	0.215	0.057	0.001	0.059	0	0	0.001	0.013B	3
4	0.006B	0.008B	0.283B	0.906	0.266	0.051	0	0.037	0	0	0.001	0.014B	4
5	0.006B	0.007B	1.42 B	0.623	0.232	0.042	0	0.025	0	0	0.002	0.016	5
6	0.007B	0.008B	2.83 B	0.425	0.198	0.042	0	0.016	0	0	0.002B	0.018	6
7	0.008B	0.008B	2.55 B	0.340	0.170	0.042	0	0.013	0	0	0.003B	0.020	7
8	0.008B	0.007B	3.40 B	0.246	0.150	0.042	0	0.010	0	0	0.006B	0.019	8
9	0.008B	0.007B	4.25 B	0.204	0.139	0.042	0	0.009	0	0	0.008B	0.019	9
10	0.008B	0.008B	2.83 B	0.178	0.125	0.034	0	0.008	0	0	0.011B	0.021	10
11	0.007B	0.008B	2.27 B	0.153	0.113	0.028	0	0.007	0	0	0.013	0.023	11
12	0.006B	0.007B	1.98 B	0.130	0.108	0.020	0	0.005	0	0	0.014	0.026	12
13	0.006B	0.006B	1.59 B	0.125	0.105	0.018	0	0.005	0	0	0.019	0.026	13
14	0.006B	0.006B	0.850B	0.110	0.102	0.021	0	0.005	0	0	0.024	0.024	14
15	0.006B	0.007B	0.736	0.108	0.099	0.025	0	0.003	0	0	0.021	0.019	15
16	0.006B	0.008B	0.821	0.108	0.088	0.023	0	0.002	0	0	0.027	0.016	16
17	0.006B	0.008B	0.481	0.108	0.093	0.022	0	0.002	0	0	0.031	0.011B	17
18	0.005B	0.008B	0.311	0.108	0.093	0.023	0	0.003	0	0	0.025	0.010B	18
19	0.005B	0.011B	0.246	0.102	0.088	0.022	0	0.003	0	0	0.021	0.008B	19
20	0.006B	0.017B	0.340	0.099	0.088	0.023	0	0.003	0	0	0.024	0.007B	20
21	0.006B	0.023B	1.27	0.093	0.091	0.020	0	0.003	0	0	0.026	0.006B	21
22	0.006B	0.025B	1.13 B	0.093	0.082	0.017	0	0.003	0	0	0.026	0.004B	22
23	0.006B	0.023B	0.850B	0.102	0.088	0.019	0	0.002	0	0	0.024	0.004B	23
24	0.006B	0.023B	0.566B	0.110	0.082	0.020	0	0.001	0	0	0.020B	0.004B	24
25	0.006B	0.020B	0.425B	0.122	0.088	0.016	0	0.001	0	0	0.017B	0.003B	25
26	0.006B	0.020B	0.368B	0.144	0.082	0.012	18.4	0.003	0	0	0.014B	0.001B	26
27	0.006B	0.020B	0.538	0.181	0.076	0.008	3.60	0.002	0	0	0.011B	0.003B	27
28	0.006B	0.023B	2.46	0.210	0.088	0.006	1.27	0.001	0	0	0.013B	0.001B	28
29	0.004B		3.54	0.215	0.076	0.004	0.878	0.001	0	0	0.014B	0 B	29
30	0.003B		4.96	0.218	0.071	0.003	0.538	0	0	0	0.016B	0 B	30
31	0.001B		4.70		0.065		0.311	0		0.001		0 B	31
TOTAL	0.184	0.326	48.070	12.811	3.763	0.818	25.001	0.532	0	0.001	0.436	0.366	TOTAL
MEAN	0.006	0.012	1.55	0.427	0.121	0.027	0.807	0.017	0	0	0.015	0.012	MEAN
MAX	0.008	0.025	4.96	3.51	0.266	0.059	18.4	0.190	0	0.001	0.031	0.026	MAX
MIN	0.001	0.001	0.023	0.093	0.065	0.003	0	0	0	0	0.001	0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.253
MAXIMUM DAILY, 18.4 ON JUL 26
MINIMUM DAILY, 0 ON JUL 04
MAXIMUM INSTANTANEOUS,
45.6 AT 12:45 CST ON JUL 26

DATA CONTRIBUTED BY -
UNITED STATES GEOLOGICAL SURVEY

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 10 N
LONG 106 50 20 W
DRAINAGE AREA, 4 730 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15.9	JUL	2 160
FEB	28.2	AUG	46.0
MAR	4 150	SEP	0
APR	1 110	OCT	0.086
MAY	325	NOV	37.7
JUN	70.7	DEC	31.6

TOTAL DISCHARGE, 7 980 dam³

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	7.17 B	0.037	0	0	0	0	0	---	---	1
2	---	---	0 B	12.1 B	0.034	0.002	0	0	0	0	---	---	2
3	---	---	0 B	12.8 B	0.044	0.002	0	0	0	0	---	---	3
4	---	---	0 B	9.45 B	0.039	0.001	0	0	0	0	---	---	4
5	---	---	0 B	6.48 B	0.034	0.001	0	0	0	0	---	---	5
6	---	---	0 B	7.02	0.026	0.001	0	0	0	0	---	---	6
7	---	---	0 B	6.10	0.020	0	0	0	0	0	---	---	7
8	---	---	0 B	5.37	0.016	0	0	0	0	0	---	---	8
9	---	---	0 B	3.56	0.013	0	0	0	0	0	---	---	9
10	---	---	0 B	1.24	0.009	0	0	0	0	0	---	---	10
11	---	---	0 B	1.53	0.006	0	0	0	0	0	---	---	11
12	---	---	0 B	1.38	0.005	0	0	0	0	0	---	---	12
13	---	---	0 B	1.09	0.004	0	0	0	0	0	---	---	13
14	---	---	0 B	0.969	0.003	0	0	0	0	0	---	---	14
15	---	---	0 B	0.742	0.039	0	0	0	0	0	---	---	15
16	---	---	0 B	0.554	0.272	0	0	0	0	0	---	---	16
17	---	---	0 B	0.453	0.192	0	0	0	0	0	---	---	17
18	---	---	0 B	0.420	0.192	0	0	0	0	0	---	---	18
19	---	---	0 B	0.321	0.165	0	0	0	0	0	---	---	19
20	---	---	0 B	0.271	0.121	0	0	0	0	0	---	---	20
21	---	---	0 B	0.204	0.107	0	0	0	0	0	---	---	21
22	---	---	0 B	0.139	0.097	0	0	0	0	0	---	---	22
23	---	---	0 B	0.103	0.082	0	0	0	0	0	---	---	23
24	---	---	0 B	0.081	0.074	0	0	0	0	0	---	---	24
25	---	---	0 B	0.087	0.062	0	0	0	0	0	---	---	25
26	---	---	0 B	0.084	0.042	0	0	0	0	0	---	---	26
27	---	---	0 B	0.066	0.029	0	0	0	0	0	---	---	27
28	---	---	0 B	0.057	0.019	0	0	0	0	0	---	---	28
29	---	---	0.001B	0.056	0.007	0	0	0	0	0	---	---	29
30	---		0.742B	0.045	0.001	0	0	0	0	0	---	---	30
31	---		1.79 B		0		0	0		0		---	31
TOTAL	---	---	2.533	79.942	1.811	0.007	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.082	2.66	0.058	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.79	12.8	0.272	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0.045	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.344
MAXIMUM DAILY, 12.8B ON APR 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
16.9B AT 21:27 CST ON APR 02

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 37 N
LONG 104 33 11 W
DRAINAGE AREA, 506 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	219	SEP	0
APR	6 910	OCT	0
MAY	156	NOV	---
JUN	0.605	DEC	---

TOTAL DISCHARGE, 7 290 dam³

ROUGHBARK RESERVOIR NEAR WEYBURN - STATION NO. 05NB016

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	563.325E	---	---	---	---	563.408	563.344	563.607A	562.715	562.581	562.520E	---	1
2	---	---	---	---	---	563.413	563.363	563.573A	562.716	562.583	562.518A	---	2
3	---	---	---	563.514A	---	563.422	563.432	563.531A	562.716	562.582	---	---	3
4	---	---	---	---	563.469A	563.421	563.433	563.486A	562.707	562.572	---	---	4
5	---	---	---	---	---	563.422	563.427	563.446A	562.702	562.574	---	562.464A	5
6	---	---	---	---	---	563.417	563.428	563.411A	562.693	562.568	---	---	6
7	---	---	---	---	---	563.417	563.432	563.371A	562.689	562.565	---	---	7
8	---	---	563.375A	---	---	563.418	563.431	563.326A	562.682	562.563	---	---	8
9	---	---	---	---	---	563.417	563.426	563.278A	562.677	562.563	---	---	9
10	---	---	---	---	---	563.411	563.426	563.230A	562.672	562.563	---	---	10
11	---	---	---	---	---	563.414	563.448	563.181A	562.670	562.554	---	---	11
12	---	---	---	---	---	563.404	563.500	563.134A	562.662	562.548	---	---	12
13	---	---	---	---	---	563.397	563.535	563.091A	562.653	562.549	---	---	13
14	---	---	---	---	---	563.390A	563.565	563.045A	562.648	562.548	---	---	14
15	---	---	---	---	---	563.381A	563.581	562.994A	562.644	562.544	---	---	15
16	---	---	---	---	---	563.374A	563.594	562.938A	562.636	562.542	---	---	16
17	---	---	---	---	---	563.374A	563.604	562.889A	562.634	562.541	---	---	17
18	---	---	---	---	---	563.373A	563.607	562.856A	562.631	562.538	---	---	18
19	---	---	---	---	---	563.374	563.607	562.815A	562.628	562.541	---	---	19
20	---	---	---	---	---	563.371	563.609	562.775A	562.625	562.543	---	---	20
21	---	---	563.440A	---	---	563.364	563.609	562.745A	562.618	562.536	---	---	21
22	---	---	---	---	---	563.358	563.609	562.724A	562.614	562.537	---	---	22
23	---	---	---	---	---	563.353	563.608	562.720	562.613	562.536	---	---	23
24	---	---	---	---	---	563.350	563.606	562.720	562.613	562.531	---	---	24
25	---	---	---	---	---	563.346	563.600	562.715	562.609	562.532	---	---	25
26	---	---	---	---	---	563.343	563.619	562.723	562.604	562.533A	---	---	26
27	---	---	---	---	---	563.342	563.644	562.730	562.598	562.529E	---	---	27
28	---	---	---	---	---	563.339	563.644	562.730	562.593	562.527E	---	---	28
29	---		---	---	---	563.341	563.641	562.728	562.587	562.525E	---	---	29
30	---		---	---	---	563.332	563.639	562.723	562.586	562.523E	---	---	30
31	---		563.500E	563.480E	563.412A		563.636	562.718		562.522E		---	31
MEAN	---	---	---	---	---	563.383	563.537	563.031	562.648	562.548	---	562.425E	MEAN
MAX	---	---	---	---	---	563.422	563.644	563.607	562.716	562.583	---	---	MAX
MIN	---	---	---	---	---	563.332	563.344	562.715	562.586	562.522	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 563.644 ON JUL 27
MINIMUM DAILY, 562.425E ON DEC 31
MAXIMUM INSTANTANEOUS,
563.647 AT 13:31 CST ON JUL 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 08 N
LONG 103 43 07 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
179 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROUND LAKE NEAR WHITEWOOD - STATION NO. 05JM007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	441.597	441.541	441.486	441.960	442.320	442.400	442.400	442.357	442.312	442.137	441.813	441.574	1
2	441.596	441.536	441.483	442.016	442.319	442.392	442.393	442.352	442.307	442.123	441.813	441.566	2
3	441.599	441.533	441.482	442.089	442.318	442.387	442.398	442.357	442.315	442.104	441.819	441.561	3
4	441.595	441.531	441.482	442.191	442.318	442.384	442.386	442.358	442.313	442.087	441.818	441.553	4
5	441.591	441.527	441.484	442.309	442.323	442.380	442.386	442.362	442.313	442.081	441.814	441.548	5
6	441.589	441.528	441.485	442.427	442.328	442.379	442.399	442.363	442.311	442.070	441.806	441.540	6
7	441.588	441.521	441.484	442.543	442.334	442.380	442.408	442.366	442.308	442.065	441.791	441.532	7
8	441.586	441.519	441.485	442.659	442.337	442.381	442.427	442.361	442.308	442.061	441.789	441.525	8
9	441.585	441.518	441.486	442.776	442.343	442.382	442.427	442.357	442.301	442.043	441.780	441.519	9
10	441.588	441.519	441.490	442.878	442.352	442.378	442.427	442.353	442.300	442.011	441.774	441.514	10
11	441.589	441.519	441.497	442.955	442.358	442.380	442.420	442.353	442.303	441.993	441.761	441.515	11
12	441.587	441.518	441.510	443.018	442.365	442.378	442.425	442.355	442.290	441.985	441.736	441.513	12
13	441.582	441.519	441.540	443.052	442.375	442.377	442.431	442.355A	442.287	441.978	441.729	441.508	13
14	441.572	441.519	441.544	443.058	442.380	442.376	442.434	442.352A	442.282	441.965	441.732	441.506	14
15	441.567	441.517	441.555	443.037	442.384	442.376	442.431	442.355	442.282	441.951	441.726	441.501	15
16	441.561	441.514	441.560	443.001	442.408	442.373	442.427	442.350	442.274	441.921	441.715	441.497	16
17	441.562	441.512	441.565	442.955	442.418	442.375	442.426	442.341	442.271	441.907	441.707	441.491	17
18	441.561	441.510	441.579	442.898	442.418	442.377	442.425	442.338	442.264	441.888	441.697	441.488	18
19	441.561	441.508	441.594	442.834	442.417	442.391	442.425	442.338	442.258	441.881	441.689	441.486	19
20	441.559	441.500	441.612	442.766	442.425	442.415	442.422	442.338	442.262	441.863	441.682	441.482	20
21	441.558	441.501	441.655	442.695	442.426	442.418	442.419	442.337	442.261	441.852	441.681	441.481	21
22	441.556	441.497	441.701	442.623	442.434A	442.418	442.416	442.336	442.259	441.838	441.653	441.480	22
23	441.558	441.496	441.732	442.557	442.430A	442.415	442.417	442.331	442.259	441.824	441.649	441.481	23
24	441.554	441.494	441.745	442.499	442.422	442.414	442.413	442.328	442.257	441.811	441.642	441.481	24
25	441.552	441.491	441.757	442.431	442.417	442.416	442.397	442.329	442.256	441.807	441.632	441.479	25
26	441.554	441.491	441.767	442.351	442.417	442.413	442.389	442.332	442.242	441.797	441.626	441.479	26
27	441.554	441.488	441.782	442.340	442.414	442.408	442.397	442.330	442.204	441.796	441.614	441.481	27
28	441.552	441.488	441.797	442.336	442.412	442.404	442.385	442.325	442.184	441.790	441.602	441.480	28
29	441.551		441.820	442.332	442.406	442.402	442.378	442.322A	442.164	441.790	441.595	441.481	29
30	441.546		441.851	442.323	442.401	442.395	442.372	442.320A	442.149	441.788	441.587	441.480	30
31	441.546		441.908		442.398		442.365	442.313A		441.800		441.481	31
MEAN	441.571	441.513	441.610	442.597	442.381	442.392	442.409	442.344	442.270	441.936	441.716	441.507	MEAN
MAX	441.599	441.541	441.908	443.058	442.434	442.418	442.434	442.366	442.315	442.137	441.819	441.574	MAX
MIN	441.546	441.488	441.482	441.960	442.318	442.373	442.365	442.313	442.149	441.788	441.587	441.479	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 442.022
MAXIMUM DAILY, 443.058 ON APR 14
MINIMUM DAILY, 441.479 ON DEC 25
MAXIMUM INSTANTANEOUS,
443.063 AT 04:47 CST ON APR 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 32 55 N
LONG 102 21 34 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1944

DRAINAGE AREA,
45 900 km²

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.25 B	0.307	0.056	0.032	0	0	0	0	---	---	1
2	---	---	3.17 B	0.189	0.066	0.030	0	0	0	0	---	---	2
3	---	---	1.55 B	0.142	0.086	0.038	0	0	0	0	---	---	3
4	---	---	2.26 B	0.112	0.078	0.026	0	0	0	0	---	---	4
5	---	---	3.24 B	0.062	0.064	0.020	0	0	0	0	---	---	5
6	---	---	2.12 B	0.049	0.053	0.017	0	0	0	0	---	---	6
7	---	---	2.10 B	0.056	0.044	0.017	0	0	0	0	---	---	7
8	---	---	1.72 B	0.060	0.046	0.014	0.001	0	0	0	---	---	8
9	---	---	0.990B	0.055	0.049	0.016	0.001	0	0	0	---	---	9
10	---	---	0.837B	0.054	0.045	0.015	0.003	0	0	0	---	---	10
11	---	---	0.535B	0.052	0.046	0.015	0.001	0	0	0	---	---	11
12	---	---	0.419B	0.052	0.041	0.013	0.001	0	0	0	---	---	12
13	---	---	0.365B	0.042	0.048	0.011	0	0	0	0	---	---	13
14	---	---	0.286B	0.048	0.048	0.011	0	0	0	0	---	---	14
15	---	---	0.265B	0.049	0.114	0.010	0	0	0	0	---	---	15
16	---	---	0.179B	0.043	0.226	0.011	0	0	0	0	---	---	16
17	---	---	0.137B	0.047	0.176	0.009	0	0	0	0	---	---	17
18	---	---	0.109B	0.045	0.121	0.007	0	0	0	0	---	---	18
19	---	---	0.099B	0.045	0.109	0.008	0	0	0	0	---	---	19
20	---	---	0.126B	0.040	0.101	0.007	0	0	0	0	---	---	20
21	---	---	0.138B	0.040	0.094	0.006	0	0	0	0	---	---	21
22	---	---	0.114B	0.039	0.068	0.005	0	0	0	0	---	---	22
23	---	---	0.090	0.046	0.061	0.005	0	0	0	0	---	---	23
24	---	---	0.075	0.056	0.053	0.004	0	0	0	0	---	---	24
25	---	---	0.071	0.050	0.045	0.001	0	0	0	0	---	---	25
26	---	---	0.072	0.046	0.044	0	0	0	0	0	---	---	26
27	---	---	0.077	0.047	0.042	0	0	0	0	0	---	---	27
28	---	0.100B	0.076	0.043	0.040	0	0	0	0	0	---	---	28
29	---		0.086	0.046	0.036	0	0	0	0	0	---	---	29
30	---		0.841	0.054	0.033	0	0	0	0	0	---	---	30
31	---		0.644		0.038		0	0		0		---	31
TOTAL	---	---	24.041	2.016	2.171	0.348	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	0.776	0.067	0.070	0.012	0	0	0	0	---	---	MEAN
MAX	---	---	3.24	0.307	0.226	0.038	0.003	0	0	0	---	---	MAX
MIN	---	---	0.071	0.039	0.033	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.117
MAXIMUM DAILY, 3.24B ON MAR 05
MINIMUM DAILY, 0 ON JUN 26
MAXIMUM INSTANTANEOUS,
4.10B AT 14:50 CST ON MAR 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 12 N
LONG 107 28 06 W

DRAINAGE AREA, 325 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.605
FEB	---	AUG	0
MAR	2 080	SEP	0
APR	174	OCT	0
MAY	188	NOV	---
JUN	30.1	DEC	---

TOTAL DISCHARGE, 2 470 dam³

RUSSELL CREEK RESERVOIR - STATION NO. 05JB006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	767.861E	769.142	769.105	769.123	768.382	768.072	767.825	767.549	---	---	1
2	---	---	768.416E	769.139	769.104	769.114	768.383	768.074	767.823	767.505	---	---	2
3	---	---	768.874E	769.137	769.116	769.114	768.372	768.073	767.814	767.450	---	---	3
4	---	---	769.075E	769.134	769.123	769.113	768.347	768.072	767.809	767.396	---	---	4
5	---	---	769.180E	769.131	769.128	769.099	768.317	768.068	767.801	767.352	---	---	5
6	---	---	769.222E	769.124	769.126	769.102	768.315	768.065	767.797	767.317	---	---	6
7	---	---	769.224E	769.124	769.119	769.103	768.316	768.055	767.792	767.289	---	---	7
8	---	---	769.185E	769.123	769.118	769.104	768.322	767.979	767.783	767.284	---	---	8
9	---	---	769.136	769.118	769.122	769.102	768.324	767.960	767.777	767.280	---	---	9
10	---	---	769.137	769.114	769.127	769.071	768.344	767.956	767.774	767.281	---	---	10
11	---	---	769.145	769.117	769.128	769.040	768.319	767.950	767.771	767.248	---	---	11
12	---	---	769.149	769.117	769.128	768.984	768.263	767.946	767.765	767.218	---	---	12
13	---	---	769.147	769.119	769.125	768.932	768.246	767.939	767.755	767.177	---	---	13
14	---	---	769.136	769.119	769.121	768.885	768.236	767.929	767.750	767.137	---	---	14
15	---	---	769.128	769.115	769.134	768.836	768.207	767.902	767.745	767.088	---	---	15
16	---	---	769.125	769.114	769.138	768.802	768.157	767.893	767.738	767.033	---	---	16
17	---	---	769.126	769.114	769.151	768.792	768.134	767.883	767.735	767.014	---	---	17
18	---	---	769.123	769.115	769.151	768.793	768.086	767.878	767.731	767.010	---	---	18
19	---	---	769.124	769.114	769.147	768.786	768.085	767.874	767.724	767.017	---	---	19
20	---	---	769.122	769.115	769.144	768.751	768.084	767.869	767.716	767.012	---	---	20
21	---	---	769.120	769.111	769.143	768.698	768.083	767.868	767.708	766.942E	---	---	21
22	---	---	769.121	769.110	769.142	768.641	768.079	767.867	767.700	766.875E	---	---	22
23	---	---	769.123	769.112	769.139	768.584	768.071	767.861	767.700	766.807E	---	---	23
24	---	---	769.126	769.115	769.136	768.566	768.031	767.857	767.694	766.740E	---	---	24
25	---	---	769.121	769.118	769.134	768.560	768.021	767.855	767.691	766.672E	---	---	25
26	---	---	769.123	769.112	769.137	768.499	768.047	767.853	767.683	766.605E	---	---	26
27	---	767.469E	769.124	769.106	769.136	768.457	768.061	767.854	767.680	766.537E	---	---	27
28	---	767.662E	769.121	769.101	769.136	768.425	768.069	767.851	767.670	766.470E	---	---	28
29	---		769.124	769.099	769.131	768.389	768.067	767.846	767.624	766.402E	---	---	29
30	---		769.134	769.103	769.128	768.384	768.065	767.842	767.572	766.335E	---	---	30
31	---		769.141		769.128		768.069	767.835		766.267E	---	---	31
MEAN	---	---	769.065	769.118	769.131	768.828	768.190	767.930	767.738	767.010	---	---	MEAN
MAX	---	---	769.224	769.142	769.151	769.123	768.383	768.074	767.825	767.549	---	---	MAX
MIN	---	---	767.861	769.099	769.104	768.384	768.021	767.835	767.572	766.267	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 769.224E ON MAR 07

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 56 N
LONG 107 30 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1951

DRAINAGE AREA, 185 km²

SALINE CREEK NEAR NOKOMIS - STATION NO. 05JJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.017	0.068	0	0	0	0	0	---	---	1
2	---	---	0 B	0.012	0.073	0	0	0	0	0	---	---	2
3	---	---	0 B	0.021	0.073	0	0	0	0	0	---	---	3
4	---	---	0 B	0.071	0.065	0	0	0	0	0	---	---	4
5	---	---	0 B	0.259	0.051	0	0	0	0	0	---	---	5
6	---	---	0 B	0.404	0.059	0	0	0	0	0	---	---	6
7	---	---	0 B	0.418	0.046	0	0	0	0	0	---	---	7
8	---	---	0 B	0.420	0.026	0	0	0	0	0	---	---	8
9	---	---	0.007B	0.406	0.010	0	0	0	0	0	---	---	9
10	---	---	0.100B	0.396	0.015	0	0	0	0	0	---	---	10
11	---	---	0.143B	0.381	0.015	0	0	0	0	0	---	---	11
12	---	---	0.144B	0.333	0.007	0	0	0	0	0	---	---	12
13	---	---	0.082B	0.280	0.012	0	0	0	0	0	---	---	13
14	---	---	0.039B	0.249	0.008	0	0	0	0	0	---	---	14
15	---	---	0.032B	0.216	0.006	0	0	0	0	0	---	---	15
16	---	---	0.033B	0.172	0.006	0	0	0	0	0	---	---	16
17	---	---	0.033B	0.171	0.004	0	0	0	0	0	---	---	17
18	---	---	0.028B	0.166	0.003	0	0	0	0	0	---	---	18
19	---	---	0.040B	0.111	0.011	0	0	0	0	0	---	---	19
20	---	---	0.067B	0.079	0.007	0	0	0	0	0	---	---	20
21	---	---	0.034B	0.069	0.003	0	0	0	0	0	---	---	21
22	---	---	0.008B	0.046	0.002	0	0	0	0	0	---	---	22
23	---	---	0 B	0.045	0.002	0	0	0	0	0	---	---	23
24	---	---	0 B	0.042	0.001	0	0	0	0	0	---	---	24
25	---	---	0 B	0.052	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0.061	0	0	0	0	0	0	---	---	26
27	---	---	0.003B	0.043	0	0	0	0	0	0	---	---	27
28	---	---	0.039B	0.046	0	0	0	0	0	0	---	---	28
29	---	---	0.110B	0.041	0	0	0	0	0	0	---	---	29
30	---		0.096B	0.052	0	0	0	0	0	0	---	---	30
31	---		0.045B		0		0	0	0	0	---	---	31
TOTAL	---	---	1.083	5.079	0.573	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.035	0.169	0.019	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.144	0.420	0.073	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.012	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.027
MAXIMUM DAILY, 0.420 ON APR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.457 AT 22:01 CST ON APR 06

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 24 58 N
LONG 105 06 10 W
DRAINAGE AREA, 950 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	93.6	SEP	0
APR	439	OCT	0
MAY	49.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 582 dam³

SANDY CREEK NEAR CARON - STATION NO. 05JG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0.342	0	0	---	---	1
2	---	---	0	0	0	0	0	0.189	0	0	---	---	2
3	---	---	0	0	0	0	0	0.132	0	0	---	---	3
4	---	---	0	0	0	0	0	0.096	0	0	---	---	4
5	---	---	0	0	0	0	0	0.067	0	0	---	---	5
6	---	---	0	0	0	0	0	0.045	0	0	---	---	6
7	---	---	0	0	0	0	0	0.027	0	0	---	---	7
8	---	---	0	0	0	0	0	0.018	0	0	---	---	8
9	---	---	0	0	0	0	0	0.012	0	0	---	---	9
10	---	---	0	0	0	0	0	0.009	0	0	---	---	10
11	---	---	0	0	0	0	0	0.007	0	0	---	---	11
12	---	---	0	0	0	0	0	0.005	0	0	---	---	12
13	---	---	0	0	0	0	0	0.004	0	0	---	---	13
14	---	---	0	0	0	0.025	0	0.002	0	0	---	---	14
15	---	---	0	0	0	0.047	0	0.001	0	0.001	---	---	15
16	---	---	0	0	0	0.044	0	0	0	0.001	---	---	16
17	---	---	0	0	0	0.037	0	0	0	0	---	---	17
18	---	---	0	0	0	0.029	0	0	0	0	---	---	18
19	---	---	0	0	0	0.025	0	0	0	0	---	---	19
20	---	---	0	0	0	0.020	0	0	0	0	---	---	20
21	---	---	0	0	0	0.014	0	0	0	0	---	---	21
22	---	---	0	0	0	0.010	0	0	0	0	---	---	22
23	---	---	0	0	0	0.007	0	0	0	0	---	---	23
24	---	---	0	0	0	0.004	0	0	0.001	0	---	---	24
25	---	---	0	0	0	0.002	0	0	0.002	0	---	---	25
26	---	---	0	0	0	0.001	0	0	0.001	0	---	---	26
27	---	---	0	0	0	0.001	0.003	0	0.001	0	---	---	27
28	---	---	0	0	0	0	0.003	0	0.001	0	---	---	28
29	---	---	0	0	0	0	0.058	0	0	0	---	---	29
30	---		0	0	0	0	0.494	0	0	0	---	---	30
31	---		0		0		0.536	0		0		---	31
TOTAL	---	---	0	0	0	0.266	1.094	0.956	0.006	0.002	---	---	TOTAL
MEAN	---	---	0	0	0	0.009	0.035	0.031	0	0	---	---	MEAN
MAX	---	---	0	0	0	0.047	0.536	0.342	0.002	0.001	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.536 ON JUL 31
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.609 AT 20:15 CST ON JUL 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 09 N
LONG 106 01 45 W
DRAINAGE AREA, 679 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	94.5
FEB	---	AUG	82.6
MAR	0	SEP	0.518
APR	0	OCT	0.173
MAY	0	NOV	---
JUN	23.0	DEC	---

TOTAL DISCHARGE, 201 dam³

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	329	641	713	326	622	907	1 310	885E	310	194	502	217	1
2	537	330	741	621	697	855	1 340	840A	357	315	401	497	2
3	405	201	447	608	680	812	1 290	862	336	480	212	191A	3
4	549	179	456	720	570	859	1 500	690	394	507	214	260A	4
5	392	172	560	678	530	919	1 850	622	447	296	507	421	5
6	248	457	509	593	351	872	1 970	711	482	166	468	322	6
7	163	574	502	351	590	907	2 030	699	440	160	386	238	7
8	317	533	473	462	703	856	2 100	670	349	151	437	224	8
9	342	460	421	584	750	859	2 090	620	300	242	401	354	9
10	489	579	454	732	743	798	1 830E	507A	425	243	267	280	10
11	574	397	326	693	733	1 340	1 600E	622	444	535	176	507	11
12	511	382	491	662	435	1 980	1 550E	640	460	318	327	306	12
13	301	394	495	500	369	1 930	1 530E	718	422	601	395	387	13
14	196	468	481	373	340	1 840	1 420E	570	469	433	287	402	14
15	421	254	584	573	330	1 530	1 390E	420A	602	374	288	357	15
16	416	440	648	793	612	1 370	1 460E	366A	535	456	239	313	16
17	470	529	666	586	495	1 350	1 380E	361	407	535	469	455	17
18	476	238	564	632	731	1 360	1 450E	466	285	441	211	443	18
19	369	317	466	713	746	1 340	1 300E	488	403A	435	262	212	19
20	228	408	527	622	705	1 400	1 110E	571	215	501	392	208	20
21	233	408	547	570	466	1 380	1 090E	506	165	348	535	289	21
22	490	418	692	402	586	1 520	865E	410A	169	344	609	450	22
23	397	484	526	542	642	1 630	755E	432	165	439	505	282	23
24	289	499	601	533	622	1 660	756E	348	217	464	400	326	24
25	423	366	383	548	556	1 490	775E	440	172	475	319	201	25
26	387	602	452	570	639	1 300	798E	343	187	464	306	184	26
27	422	522	547	681	739	1 330	780E	340	277	424	418	337	27
28	243	424	482	638	651	1 290	743E	500	425	227	263	378	28
29	512		447	403	945	1 360	767E	558	170	296	218	364	29
30	615		615	487	876	1 320	860E	464	168	324	162	357	30
31	581		351		913		870E	411		356		345	31
TOTAL	12 325	11 676	16 167	17 196	19 367	38 364	40 559	17 080	10 197	11 544	10 576	10 107	TOTAL
MEAN	398	417	522	573	625	1 280	1 310	551	340	372	353	326	MEAN
MAX	615	641	741	793	945	1 980	2 100	885	602	601	609	507	MAX
MIN	163	172	326	326	330	798	743	340	165	151	162	184	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 589
MAXIMUM DAILY, 2 100 ON JUL 08
MINIMUM DAILY, 151 ON OCT 08
MAXIMUM INSTANTANEOUS,
2 100 AT 14:19 CST ON JUL 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 42 10 N
LONG 103 17 50 W
DRAINAGE AREA, 289 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 060 000	JUL	3 500 000
FEB	1 010 000	AUG	1 480 000
MAR	1 400 000	SEP	881 000
APR	1 490 000	OCT	997 000
MAY	1 670 000	NOV	914 000
JUN	3 310 000	DEC	873 000

TOTAL DISCHARGE, 18 600 000 dam³

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.00B	23.7 B	12.2 B	2.38B	22.2	86.0	169	90.3	10.6	0.591	16.5	2.61B	1
2	10.0 B	22.9 B	37.5 B	1.75B	19.8	77.5	179	92.6	10.2	1.51	19.4	9.19B	2
3	18.0 B	2.89 B	23.5 B	15.3 B	48.2	77.3	170 A	78.0	11.9	24.8	6.75	24.7 B	3
4	10.0 B	1.04 B	9.54B	15.3 B	24.9	73.5	191 A	61.9	10.6	18.0	1.44	4.02B	4
5	20.0 B	0.813B	14.0 B	15.5 B	28.8	87.6	280 A	38.6	18.0 A	15.8	3.46B	8.68B	5
6	10.0 B	0.720B	21.3 B	13.0 B	13.9	82.9	330 A	35.0	26.9 A	2.47	15.3 B	31.3 B	6
7	9.00B	13.5 B	13.4 B	10.2 B	10.5	87.2	336 A	48.4	21.7	0.640	14.6 B	14.7 B	7
8	1.00B	20.8 B	16.3 B	4.17B	43.4	80.5	347 A	36.8	15.0	1.16	10.1 B	4.77B	8
9	4.00B	18.9 B	14.4 B	8.91B	51.6	79.2	341 A	33.6	8.80	2.45	9.54B	8.89B	9
10	9.40B	16.8 B	13.2 B	14.9 B	47.9	71.7	311 A	16.2A	3.09	2.19	9.83B	22.9 B	10
11	11.2 B	20.3 B	10.6 B	14.8 B	52.9	106	285 A	46.3A	17.6	20.0	6.44B	13.5 B	11
12	23.0 B	9.46 B	10.1 B	13.3 B	29.6	109	252 A	44.3A	19.7	11.3	1.76B	30.6 B	12
13	11.0 B	7.27 B	17.0 B	21.7 B	12.1	325	251 A	57.4A	16.2	22.0	11.6 B	12.4 B	13
14	2.55B	9.26 B	18.1 B	7.63B	8.79	316	215 A	35.9	18.2	28.5	13.9 B	25.3 B	14
15	1.23B	7.30 B	21.9 B	8.17B	6.59A	247	199 A	22.0A	33.0	13.1	9.59B	20.8 B	15
16	9.70B	0.703B	29.5 B	31.7 B	15.0	180	211 A	21.4A	27.6	11.5	4.02B	14.0 B	16
17	9.52B	12.4 B	44.8 B	13.8 B	36.1	177	205 A	15.1A	22.7	29.7	3.82B	27.0 B	17
18	18.1 B	6.08 B	38.5 B	19.9 B	33.9	173	212 A	10.9A	5.46	24.2	12.9 B	22.1 B	18
19	12.5 B	1.02 B	24.5 B	28.8 B	54.8	168	210 A	24.3A	6.44	17.0	2.77B	31.7 B	19
20	5.01B	4.93 B	15.1 B	46.9 B	53.4 A	185	137 A	23.6A	12.1	32.9	3.26B	7.04B	20
21	2.60B	8.24 B	16.8 B	46.8 B	27.4 A	130	146 A	25.8A	1.89	15.4	8.35B	12.0 B	21
22	5.02B	13.2 B	26.7 B	23.0 B	19.1	192	106 A	20.3	0.731	3.47	21.9 B	30.0 B	22
23	9.63B	10.1 B	39.5 B	15.6 B	38.3 A	235	68.2A	16.6	1.00	12.4	20.3 B	22.7 B	23
24	7.49B	16.9 B	29.2 B	25.3 B	35.9	244	65.9A	17.1	0.709	20.7	26.3 B	11.2 B	24
25	3.14B	14.7 B	40.8 B	28.8	37.5 A	226	66.9A	10.5	1.91	24.4	25.0 B	18.2 B	25
26	9.55B	13.2 B	14.5 B	23.9	32.6 A	165	73.7A	12.1	0.790	22.1	15.8 B	7.32B	26
27	11.0 B	21.5 B	19.8 B	31.7	50.1 A	171	80.9A	10.6	1.34	20.7	17.7 B	5.00B	27
28	8.88B	14.3 B	19.2 B	41.1	39.3 A	157	60.8	14.2	9.37	12.7	22.1 B	25.0 B	28
29	3.33B		15.6 B	26.4	81.9	162	67.4A	30.1	14.0	3.26	12.7 B	23.0 B	29
30	13.5 B		16.1 B	12.3	85.1	171	79.1A	19.7	1.02	7.52	4.28B	21.0 B	30
31	22.4 B		15.1 B		78.9		81.1	23.2		6.64		19.0 B	31
TOTAL	291.75	312.926	658.74	585.01	1 158.38	4 906.4	5 727.0	1 032.8	348.550	429.401	351.41	530.62	TOTAL
MEAN	9.41	11.2	21.2	19.5	37.4	164	185	33.3	11.6	13.9	11.7	17.1	MEAN
MAX	23.0	23.7	44.8	46.9	83.1	325	347	92.6	33.0	32.9	26.3	31.7	MAX
MIN	1.00	0.703	9.54	2.38	6.59	71.3	60.8	10.5	0.709	0.591	1.44	2.61	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 44.7
MAXIMUM DAILY, 347A ON JUL 08
MINIMUM DAILY, 0.591 ON OCT 01
MAXIMUM INSTANTANEOUS,
348 AT 10:24 CST ON JUL 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 48 50 N
LONG 102 58 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	25 200	JUL	495 000
FEB	27 000	AUG	89 200
MAR	56 900	SEP	30 100
APR	50 500	OCT	37 100
MAY	100 000	NOV	30 400
JUN	424 000	DEC	45 800

TOTAL DISCHARGE, 1 410 000 dam³

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0.017	2.05	2.71	2.74	2.40	1.46	---	---	1
2	---	---	0	0	0.007	2.03	2.71	2.84	2.38	0.197	---	---	2
3	---	---	0	0	1.02	2.05	2.90	2.92	2.32	0.084	---	---	3
4	---	---	0	0	2.26	2.03	2.76	2.84	2.31	0.046	---	---	4
5	---	---	0	0	2.57	2.01	2.64	2.75	2.31	0.041	---	---	5
6	---	---	0	0	2.54	2.02	2.67	2.69	2.31	0.041	---	---	6
7	---	---	0	0	3.15	2.00	2.69	2.61	2.34	0.039	---	---	7
8	---	---	0	0	3.56	2.00	2.71	2.88	2.32	0.035	---	---	8
9	---	---	0	0	3.57	2.01	1.83	3.08	2.34	0.068	---	---	9
10	---	---	0	0	3.57	2.02	2.03	2.99	2.35	0.093	---	---	10
11	---	---	0	0.001E	3.58	2.02	2.42	3.01	2.35	0.066	---	---	11
12	---	---	0	0.001E	3.61	1.80	2.39	3.34	2.34	0.054	---	---	12
13	---	---	0	0.001E	3.62	1.56	2.61	3.38	2.33	0.049	---	---	13
14	---	---	0	0.001E	3.63	1.59	2.89	3.35	2.33	0.042	---	---	14
15	---	---	0	0.001E	3.65	1.59	2.93	3.09	2.31	0.036	---	---	15
16	---	---	0	0.001E	3.02	1.61	2.88	2.57	2.30	0.029	---	---	16
17	---	---	0	0.001E	2.65	1.63	2.84	2.52	2.28	0.022	---	---	17
18	---	---	0	0.001E	2.70	1.66	3.01	2.31	2.26	0.016	---	---	18
19	---	---	0	0.001E	2.74	1.65	3.54	2.25	2.22	0.016	---	---	19
20	---	---	0	0.001E	2.74	1.59	3.42	2.60	2.17	0.011	---	---	20
21	---	---	0	0.001E	2.76	1.60	3.44	2.63	2.12	0.001	---	---	21
22	---	---	0	0.001E	2.80	1.60	3.42	2.65	2.22	0	---	---	22
23	---	---	0	0.001E	2.88	1.60	3.43	2.71	2.27	0	---	---	23
24	---	---	0	0.001A	2.90	1.61	3.40	2.48	2.24	0	---	---	24
25	---	---	0	0	2.79	1.62	3.60	2.50	2.23	0	---	---	25
26	---	---	0	0	2.68	1.72	3.73	2.56	2.72	0	---	---	26
27	---	---	0	0	2.70	1.81	3.77	2.63	3.13	0	---	---	27
28	---	---	0	0	2.33	2.01	3.80	2.47	3.09	0	---	---	28
29	---	---	0	0	2.09	2.72	3.57	2.35	3.05	0	---	---	29
30	---		0	0.004	2.09	2.59	3.43	2.37	3.00	0	---	---	30
31	---		0		2.08		2.98	2.43		0		---	31
TOTAL	---	---	0	0.018	82.304	55.80	93.17	85.04	72.34	2.446	---	---	TOTAL
MEAN	---	---	0	0.001	2.66	1.86	3.01	2.74	2.41	0.079	---	---	MEAN
MAX	---	---	0	0.004	3.65	2.72	3.80	3.38	3.13	1.46	---	---	MAX
MIN	---	---	0	0	0.007	1.58	1.83	2.35	2.12	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.60
MAXIMUM DAILY, 3.80 ON JUL 28
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
3.85 AT 23:18 CST ON JUL 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 29 01 N
LONG 106 50 53 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 050
FEB	---	AUG	7 350
MAR	0	SEP	6 250
APR	1.56	OCT	211
MAY	7 110	NOV	---
JUN	4 820	DEC	---

TOTAL DISCHARGE, 33 800 dam³

SHAND CREEK NEAR DILLABOUGH - STATION NO. 05LB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	14.5 B	0.053	0.001	0	0	0	0	---	---	1
2	---	---	0 B	16.9 B	0.051	0.001	0	0	0	0	---	---	2
3	---	---	0 B	31.2 B	0.046	0.037	0	0	0	0	---	---	3
4	---	---	0 B	38.0	0.148	0.017	0.001	0	0	0	---	---	4
5	---	---	0 B	25.4	0.197	0.006	0	0	0	0	---	---	5
6	---	---	0 B	11.9	0.186	0.002	0	0	0	0	---	---	6
7	---	---	0 B	7.82	0.139	0.003	0	0	0	0	---	---	7
8	---	---	0 B	5.81	0.281	0.001	0	0	0	0	---	---	8
9	---	---	0 B	4.38	0.245	0	0	0	0	0	---	---	9
10	---	---	0 B	2.37	0.194	0	0	0	0	0	---	---	10
11	---	---	0 B	1.38	0.188	0.001	0	0	0	0	---	---	11
12	---	---	0 B	1.28	0.182	0.004	0	0	0	0	---	---	12
13	---	---	0 B	1.16	0.148	0.001	0	0	0	0	---	---	13
14	---	---	0 B	1.07	0.083	0	0	0	0	0	---	---	14
15	---	---	0 B	1.10	0.079	0	0	0	0	0	---	---	15
16	---	---	0 B	0.856	0.081	0	0	0	0	0	---	---	16
17	---	---	0 B	0.546	0.072	0	0	0	0	0	---	---	17
18	---	---	0 B	0.426	0.071	0.254	0	0	0	0	---	---	18
19	---	---	0 B	0.586	0.047	0.039	0	0	0	0	---	---	19
20	---	---	0 B	0.813	0.061	0.008	0	0	0	0	---	---	20
21	---	---	0 B	0.746	0.090	0.001	0	0	0	0	---	---	21
22	---	---	0 B	0.621	0.091	0	0	0	0	0	---	---	22
23	---	---	0 B	0.506	0.090	0	0	0	0	0	---	---	23
24	---	---	0 B	0.354	0.079	0	0	0	0	0	---	---	24
25	---	---	0 B	0.263	0.056	0	0	0	0	0	---	---	25
26	---	---	0 B	0.173	0.039	0	0	0	0	0	---	---	26
27	---	---	0 B	0.081	0.020	0	0	0	0	0	---	---	27
28	---	---	0 B	0.079	0.008	0	0	0	0	0	---	---	28
29	---	---	0 B	0.086	0.005	0	0	0	0	0	---	---	29
30	---		0.001B	0.071	0.002	0	0	0	0	0	---	---	30
31	---		6.78 B		0.001		0	0		0		---	31
TOTAL	---	---	6.781	172.477	3.033	0.376	0.001	0	0	0	---	---	TOTAL
MEAN	---	---	0.219	5.75	0.098	0.013	0	0	0	0	---	---	MEAN
MAX	---	---	6.78	38.0	0.281	0.254	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.071	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.746
MAXIMUM DAILY, 38.0 ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
39.8 AT 04:45 CST ON APR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 37 06 N
LONG 102 45 05 W
DRAINAGE AREA, 660 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.086
FEB	---	AUG	0
MAR	586	SEP	0
APR	14 900	OCT	0
MAY	262	NOV	---
JUN	32.5	DEC	---

TOTAL DISCHARGE, 15 800 dam³

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.077B	1.89B	2.46	0.924	0.004	0.539	0.015	0	0.003	---	1
2	---	---	0.076B	2.12B	2.26	0.679	0.003	0.528	0.018	0	0.003	---	2
3	---	---	0.095B	3.43B	2.48	0.529	0.097	0.412	0.012	0	0.003	---	3
4	---	---	0.090B	4.47B	2.60	0.371	0.330	0.328	0.005	0	0.004A	---	4
5	---	---	0.109B	3.93B	2.55	0.231	0.297	0.245	0.004	0	0.004A	---	5
6	---	---	0.121B	4.03B	2.50	0.128	0.285	0.136	0.007	0	0.005E	---	6
7	---	---	0.113B	3.56B	2.23	0.165	0.375	0.073	0.010	0	0.006A	---	7
8	---	---	0.108B	3.48B	2.11	0.374	0.446	0.069	0.009	0	0.006A	---	8
9	---	---	0.113B	3.42	2.09	0.219	0.295	0.028	0.016	0	---	---	9
10	---	---	0.128B	2.94	2.00	0.155	0.312	0.013	0.013	0	---	---	10
11	---	---	0.134B	2.97	1.89	0.423	0.306	0.004	0.007	0	---	---	11
12	---	---	0.153B	3.05	1.89	0.509	0.232	0.009	0.004	0	---	---	12
13	---	---	0.197B	3.57	1.70	0.414	0.255	0.016	0.004	0	---	---	13
14	---	---	0.232B	3.56	1.53	0.254	0.257	0.014	0.004	0	---	---	14
15	---	---	0.270B	3.83	1.40	0.132	0.244	0.009	0.003	0	---	---	15
16	---	---	0.312B	3.38	1.30	0.045	0.192	0.011	0	0.001	---	---	16
17	---	---	0.381B	2.89	1.31	0.142	0.175	0.012	0	0.001	---	---	17
18	---	---	0.396B	2.59	1.32	0.108	0.141	0.003	0	0.001	---	---	18
19	---	---	0.401B	2.37	1.57	0.024	0.094	0.004	0	0.001	---	---	19
20	---	---	0.409B	2.27	1.63	0.103	0.058	0.005	0	0.001	---	---	20
21	---	---	0.333B	2.12	1.47	0.175	0.036	0.013	0	0.001	---	---	21
22	---	---	0.326B	2.04	1.38	0.117	0.019	0.013	0	0.001	---	---	22
23	---	---	0.311B	2.07	1.46	0.081	0.015	0.012	0	0.001	---	---	23
24	---	---	0.308B	2.06	1.54	0.079	0.018	0.011	0	0.001	---	---	24
25	---	---	0.323B	2.04	1.50	0.022	0.020	0.008	0	0.002	---	---	25
26	---	---	0.361B	2.19	1.42	0.001	0.010	0.010	0	0.002	---	---	26
27	---	---	0.352B	2.57	1.33	0.001	0.038	0.021	0	0.002	---	---	27
28	---	0.086B	0.359B	2.49	1.22	0.001	0.169	0.011	0	0.002	---	---	28
29	---		0.425B	2.64	1.04	0.001	0.162	0.011	0	0.002	---	---	29
30	---		0.876B	2.70	0.910	0.002	0.262	0.013	0	0.002	---	---	30
31	---		1.57 B		0.854		0.503	0.014		0.002		---	31
TOTAL	---	---	9.459	86.67	53.044	6.409	5.667	2.595	0.131	0.023	---	---	TOTAL
MEAN	---	---	0.305	2.89	1.71	0.214	0.183	0.084	0.004	0.001	---	---	MEAN
MAX	---	---	1.57	4.47	2.60	0.924	0.503	0.539	0.018	0.002	---	---	MAX
MIN	---	---	0.076	1.89	0.854	0.001	0.003	0.003	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.669
MAXIMUM DAILY, 4.47B ON APR 04
MINIMUM DAILY, 0 ON SEP 16
MAXIMUM INSTANTANEOUS
4.63B AT 22:15 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 10 N
LONG 106 23 09 W
DRAINAGE AREA, 2 560 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	490
FEB	---	AUG	224
MAR	817	SEP	11.3
APR	7 490	OCT	1.99
MAY	4 580	NOV	---
JUN	554	DEC	---

TOTAL DISCHARGE, 14 200 dam³

SHELL LAKE NEAR SHELL LAKE - STATION NO. 05GF004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	581.648	581.579	581.555	581.493	---	---	---	1
2	---	---	---	---	---	581.648	581.569	581.551	581.489	---	---	---	2
3	---	---	---	---	---	581.638	581.607	581.539	581.485	---	---	---	3
4	---	---	---	---	---	581.638	581.603	581.499	581.481	---	---	---	4
5	---	---	---	---	---	581.647	581.599	581.499	581.477	---	---	---	5
6	---	---	---	---	---	581.645	581.589	581.579	581.469	---	---	---	6
7	---	---	---	---	581.642	581.638	581.577	581.575	581.472	---	---	---	7
8	---	---	---	---	581.643	581.638	581.633	581.570	581.470	---	---	---	8
9	---	---	---	---	581.645	581.598	581.628	581.566	581.466	---	---	---	9
10	---	---	---	---	581.647	581.598	581.637	581.562	581.464	---	---	---	10
11	---	---	---	---	581.649	581.598	581.629	581.561	581.460	---	---	---	11
12	---	---	---	---	581.650	581.648	581.629	581.558	581.449	---	---	---	12
13	---	---	---	---	581.651	581.644	581.619	581.553	581.449	---	---	---	13
14	---	---	---	---	581.652	581.638	581.620	581.548	581.445	---	---	---	14
15	---	---	---	---	581.656	581.637	581.616	581.539	---	---	---	---	15
16	---	---	---	---	581.659	581.633	581.611	581.561	---	---	---	---	16
17	---	---	---	---	581.661	581.629	581.607	581.556	---	---	---	---	17
18	---	---	---	---	581.597	581.625	581.618	581.548	---	581.347	---	---	18
19	---	---	---	---	581.667	581.620	581.598	581.543	---	---	---	---	19
20	---	---	---	---	581.667	581.616	581.593	581.537	---	---	---	---	20
21	---	---	---	---	581.667	581.611	581.499	581.533	---	---	581.354	---	21
22	---	---	---	---	581.667	581.608	581.579	581.528	---	---	---	---	22
23	---	---	---	---	581.597	581.604	581.591	581.524	---	---	---	---	23
24	---	---	---	---	581.597	581.599	581.586	581.521	---	---	---	---	24
25	---	---	---	---	581.598	581.596	581.582	581.517	---	---	---	---	25
26	---	---	---	---	581.598	581.593	581.569	581.512	---	---	---	---	26
27	---	---	---	---	581.598	581.590	581.569	581.508	---	---	---	---	27
28	---	---	---	---	581.598	581.578	581.568	581.505	---	---	---	---	28
29	---		---	---	581.598	581.584	581.565	581.502	---	---	---	---	29
30	---		---	---	581.598	581.582	581.561	581.499	---	---	---	---	30
31	---		---		581.598		581.558	581.496		---		---	31
MEAN	---	---	---	---	---	581.619	581.595	581.537	---	---	---	---	MEAN
MAX	---	---	---	---	---	581.648	581.637	581.579	---	---	---	---	MAX
MIN	---	---	---	---	---	581.578	581.499	581.496	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 13 25 N
LONG 107 10 17 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA, 233 km²

SHEPHERD DITCH NEAR CONSUL - STATION NO. 11AB020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.290B	0.177	0.002	0.003	0.001	0.001	0.001	0.001A	---	1
2	---	---	0 B	0.269B	0.198	0.003	0.003	0.001	0.001	0.001	---	---	2
3	---	---	0 B	0.270	0.199	0.003	0.003	0.001	0.001	0.001	---	---	3
4	---	---	0.020B	0.240	0.203	0.003	0.003E	0.001	0.001	0.001	---	---	4
5	---	---	0.040B	0.166	0.210	0.003	0.003E	0.001	0.001	0.001	---	---	5
6	---	---	0.060B	0.126	0.219	0.003	0.003E	0.001	0.001	0.001	---	---	6
7	---	---	0.075B	0.112	0.214	0.003	0.003E	0.001	0.001	0.001	---	---	7
8	---	---	0.055B	0.105	0.212	0.003	0.003E	0.001	0.001	0.001	---	---	8
9	---	---	0.020B	0.135	0.209	0.003	0.003E	0.001	0.001	0.001	---	---	9
10	---	---	0.014B	0.144	0.194	0.003	0.003E	0.001	0.001	0.001	---	---	10
11	---	---	0.014B	0.152	0.174	0.003	0.003E	0.001	0.001	0.001	---	---	11
12	---	---	0.008B	0.156	0.155	0.003	0.003E	0.001	0.001	0.001	---	---	12
13	---	---	0.005B	0.156	0.003	0.003	0.003E	0.001	0.001	0.001	---	---	13
14	---	---	0.004B	0.168	0.002	0.003	0.003E	0.001	0.001	0.001	---	---	14
15	---	---	0.003B	0.175	0.002	0.003	0.003E	0.001	0.001	0.001	---	---	15
16	---	---	0.003B	0.183	0.002	0.003	0.003E	0.001	0.001	0.001	---	---	16
17	---	---	0.003B	0.175	0.002	0.003	0.003E	0.001	0.001	0.001	---	---	17
18	---	---	0.002B	0.172	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	18
19	---	---	0.002B	0.174	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	19
20	---	0B	0.002B	0.176	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	20
21	---	0B	0.002B	0.181	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	21
22	---	0B	0.002B	0.187	0.001	0.003	0.002E	0.001	0.001	0.001	---	---	22
23	---	0B	0.003B	0.177	0.001	0.003	0.002E	0.001	0.001	0.001	---	---	23
24	---	0B	0.001B	0.171	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	24
25	---	0B	0.001B	0.174	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	25
26	---	0B	0.001B	0.168	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	26
27	---	0B	0.001B	0.164	0.002	0.002	0.002E	0.001	0.001	0.001	---	---	27
28	---	0B	0.003B	0.174	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	28
29	---		0.003B	0.103	0.002	0.003	0.002E	0.001	0.001	0.001	---	---	29
30	---		0.041B	0.027	0.002	0.002	0.002A	0.001	0.001	0.001	---	---	30
31	---		0.121B		0.002		0.002	0.001		0.001		---	31
TOTAL	---	---	0.509	5.070	2.401	0.087	0.079	0.031	0.030	0.031	---	---	TOTAL
MEAN	---	---	0.016	0.169	0.078	0.003	0.003	0.001	0.001	0.001	---	---	MEAN
MAX	---	---	0.121	0.290	0.219	0.003	0.003	0.001	0.001	0.001	---	---	MAX
MIN	---	---	0	0.027	0.001	0.002	0.002	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.034
MAXIMUM DAILY, 0.290B ON APR 01
MINIMUM DAILY, 0B ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 50 N
LONG 109 44 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6.83
FEB	---	AUG	2.68
MAR	44.0	SEP	2.59
APR	438	OCT	2.68
MAY	207	NOV	---
JUN	7.52	DEC	---

TOTAL DISCHARGE, 711 dam³

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0B	0B	0 B	0.004B	0.001	0	0.001	0.193	0.004	0	0	0.002B
2	0B	0B	0 B	0.003	0	0.011	0.023	0.184	0.004	0	0	0.001B
3	0B	0B	0 B	0.002	0	0.006	0.026	0.129	0.003	0	0	0.001B
4	0B	0B	0 B	0.002	0	0.003	0.003	0.080	0.003	0	0	0.001B
5	0B	0B	0 B	0.002	0	0.002	0.001	0.059	0.002	0	0	0.001B
6	0B	0B	0 B	0.002	0	0.002	0	0.045	0.001	0	0.001	0.001B
7	0B	0B	0 B	0.001	0	0.001	0.001	0.035	0.001	0	0.001	0.001B
8	0B	0B	0 B	0.001	0	0.001	0.152	0.024	0	0	0.001B	0.001B
9	0B	0B	0 B	0	0	0.001	0.191	0.016	0	0	0.001B	0.001B
10	0B	0B	0 B	0	0	0	0.208	0.011	0	0	0.001B	0.001B
11	0B	0B	0.002B	0	0	0	0.225	0.011	0	0	0.001B	0.001B
12	0B	0B	0.009B	0	0	0	0.186	0.009	0	0	0 B	0.001B
13	0B	0B	0.006B	0	0	0	0.129	0.010	0	0	0 B	0.001B
14	0B	0B	0.004B	0	0	0	0.079	0.007	0	0	0 B	0.001B
15	0B	0B	0.003B	0	0	0	0.055	0.007	0	0	0 B	0 B
16	0B	0B	0.003B	0	0.001	0	0.040	0.006	0	0	0 B	0 B
17	0B	0B	0.003B	0	0.001	0	0.032	0.006	0	0	0 B	0 B
18	0B	0B	0.003B	0	0.001	0	0.023	0.023	0	0	0 B	0 B
19	0B	0B	0.003B	0	0	0	0.020	0.015	0	0	0 B	0 B
20	0B	0B	0.004B	0	0	0	0.014	0.015	0	0	0 B	0 B
21	0B	0B	0.003B	0	0	0	0.011	0.013	0	0	0.001B	0 B
22	0B	0B	0.002B	0	0	0	0.008	0.011	0	0	0.001B	0 B
23	0B	0B	0.001B	0	0.001	0	0.007	0.011	0	0	0.001B	0 B
24	0B	0B	0.001B	0.001	0.001	0	0.006	0.010	0	0	0.001B	0 B
25	0B	0B	0.001B	0.002	0	0	0.004	0.011	0	0	0.001B	0 B
26	0B	0B	0.001B	0.003	0.001	0	0.020	0.010	0	0	0.001B	0 B
27	0B	0B	0.001B	0.003	0.001	0	0.043	0.010	0	0	0.001B	0 B
28	0B	0B	0.002B	0.002	0	0	0.027	0.009	0	0	0.001B	0 B
29	0B		0.002B	0.002	0	0	0.014	0.007	0	0	0.001B	0 B
30	0B		0.004B	0.002	0	0	0.011	0.006	0	0	0.001B	0 B
31	0B		0.004B		0		0.034	0.005		0		0 B
TOTAL	0	0	0.062	0.032	0.008	0.027	1.594	0.988	0.018	0	0.016	0.015
MEAN	0	0	0.002	0.001	0	0.001	0.051	0.032	0.001	0	0.001	0.001
MAX	0	0	0.009	0.004	0.001	0.011	0.225	0.193	0.004	0	0.001	0.002
MIN	0	0	0	0	0	0	0	0.005	0	0	0	0

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.225 ON JUL 11
MINIMUM DAILY, 0B ON JAN 01
MAXIMUM INSTANTANEOUS,
0.281 AT 15:25 CST ON JUL 11

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 52 N
LONG 102 50 57 W
DRAINAGE AREA, 1 210 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	138
FEB	0	AUG	85.4
MAR	5.36	SEP	1.56
APR	2.76	OCT	0
MAY	0.691	NOV	1.38
JUN	2.33	DEC	1.30

TOTAL DISCHARGE, 239 dam³

SILTON INDEX RESERVOIR - STATION NO. 05JH007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	28.028A	---	---	27.662A	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	28.139A	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	28.019A	---	---	27.768A	---	---	---
28	---	26.088A	28.245A	---	---	---	---	---	---	---	---	---
29	---		---	---	---	---	---	---	---	---	---	---
30	---		---	28.140E	---	28.015E	---	27.918A	---	---	---	---
31	---		28.235E		28.172A		28.026E	27.910E	27.758E	27.665E	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.245A ON MAR 28
MINIMUM DAILY, 26.088A ON FEB 28

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 47 58 N
LONG 104 54 11 W

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
19.7 km²

SMITH CREEK NEAR MARCHWELL - STATION NO. 05ME007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	OB	0 B	1.56	0.001	0.085	0	0	0	---	---	1
2	---	---	OB	0 B	1.30	0	0.077	0	0	0	---	---	2
3	---	---	OB	0.004B	1.05	0	0.079	0	0	0	---	---	3
4	---	---	OB	1.18 B	0.913	0	0.091	0	0	0	---	---	4
5	---	---	OB	1.85 B	0.771	0	0.064	0	0	0	---	---	5
6	---	---	OB	3.49 B	0.614	0	0.067	0	0	0	---	---	6
7	---	---	OB	3.29 B	0.432	0	0.085	0	0	0	---	---	7
8	---	---	OB	5.43 B	0.332	0.004	0.072	0	0	0	---	---	8
9	---	---	OB	2.74 B	0.235	0.004	0.048	0	0	0	---	---	9
10	---	---	OB	1.81 B	0.178	0.002	0.033	0	0	0	---	---	10
11	---	---	OB	1.69 B	0.174	0	0.024	0	0	0	---	---	11
12	---	---	OB	1.64 B	0.133	0	0.019	0	0	0	---	---	12
13	---	---	OB	2.13	0.112	0	0.015	0	0	0	---	---	13
14	---	---	OB	2.73	0.099	0	0.012	0	0	0	---	---	14
15	---	---	OB	2.70	0.055	0	0.010	0	0	0	---	---	15
16	---	---	OB	2.70	0.144	0	0.008	0	0	0	---	---	16
17	---	---	OB	3.15	0.224	0	0.007	0	0	0	---	---	17
18	---	---	OB	4.71	0.189	0.001	0.006	0	0	0	---	---	18
19	---	---	OB	4.72	0.120	0.002	0.004	0	0	0	---	---	19
20	---	---	OB	4.36	0.116	0.007	0.003	0	0	0	---	---	20
21	---	---	OB	4.51	0.108	0.031	0.002	0	0	0	---	---	21
22	---	---	OB	3.77	0.123	0.047	0.001	0	0	0	---	---	22
23	---	---	OB	3.46	0.087	0.157	0.001	0	0	0	---	---	23
24	---	---	OB	4.16	0.057	0.160	0	0	0	0	---	---	24
25	---	---	OB	3.83	0.032	0.105	0	0	0	0	---	---	25
26	---	---	OB	3.02	0.021	0.059	0	0	0	0	---	---	26
27	---	---	OB	2.55	0.015	0.031	0	0	0	0	---	---	27
28	---	---	OB	2.30	0.010	0.041	0.001	0	0	0	---	---	28
29	---	---	OB	2.09	0.007	0.102	0	0	0	0	---	---	29
30	---		OB	2.08	0.004	0.092	0	0	0	0	---	---	30
31	---		OB		0.002		0	0		0		---	31
TOTAL	---	---	0	82.094	9.217	0.846	0.814	0	0	0	---	---	TOTAL
MEAN	---	---	0	2.74	0.297	0.028	0.026	0	0	0	---	---	MEAN
MAX	---	---	0	5.43	1.56	0.160	0.091	0	0	0	---	---	MAX
MIN	---	---	0	0	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.379
MAXIMUM DAILY, 5.43B ON APR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
6.53B AT 13:41 CST ON APR 08

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 49 58 N
LONG 101 34 43 W
DRAINAGE AREA, 435 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	70.3
FEB	---	AUG	0
MAR	0	SEP	0
APR	7 090	OCT	0
MAY	796	NOV	---
JUN	73.1	DEC	---

TOTAL DISCHARGE, 8 030 dam³

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.97B	2.06B	1.58B	1.77B	8.96	24.6E	12.6	12.4	5.82	3.45	3.48	2.54B	1
2	2.96B	2.03B	1.57B	1.80B	8.69	24.1E	13.0	12.9	5.76	3.40	3.30	2.53B	2
3	2.95B	2.01B	1.55B	1.83B	9.22	23.6E	13.3	13.0	5.68	3.44	3.40	2.50B	3
4	2.89B	1.99B	1.54B	1.91B	10.5	23.1E	14.5	12.9	5.74	4.28	3.18	2.36B	4
5	2.80B	1.98B	1.58B	1.88B	13.7	22.6E	15.8	12.8	5.60	4.37	3.18	2.31B	5
6	2.81B	1.98B	1.57B	1.98B	15.7	22.2E	15.8	12.4	5.43	4.12	3.00	2.40B	6
7	2.84B	1.97B	1.58B	2.03B	16.4	21.8E	15.6	11.8	5.29	4.06	3.17	2.42B	7
8	2.87B	1.99B	1.56B	2.03B	18.7	21.3A	15.5	11.4	5.28	3.95	3.24	2.34B	8
9	2.90B	2.01B	1.51B	1.92B	22.0	21.3	15.4	10.6	5.03	3.84	3.02	2.31B	9
10	2.83B	1.97B	1.54B	1.94B	24.0	20.4	15.8	10.0	4.91	3.85	2.82	2.34B	10
11	2.77B	1.87B	1.50B	2.02B	25.9	20.4	15.8	9.53	4.70	4.19	2.68	2.34B	11
12	2.65B	1.85B	1.51B	2.13B	27.6	20.8	15.6	9.20	4.58	4.39	2.58	2.27B	12
13	2.59B	1.81B	1.50B	2.22B	28.9	20.1	15.1	9.28	4.42	4.28	2.49	2.40B	13
14	2.58B	1.77B	1.49B	2.32B	30.0	20.2	14.7	9.19	4.57	4.17	2.44	2.48B	14
15	2.58B	1.63B	1.48B	2.47B	31.1 A	20.0	14.5	8.80	4.63	4.06	2.43	2.30B	15
16	2.57B	1.58B	1.46B	2.65B	31.5 E	19.5	13.4	8.30	4.56	3.94	2.42	2.24B	16
17	2.59B	1.58B	1.44B	2.77B	32.0 E	18.6	12.7	7.68	4.32	3.84	2.46	2.28B	17
18	2.62B	1.59B	1.48B	3.07B	32.2 E	18.0	12.4	7.34	4.55	3.78	2.55	2.27B	18
19	2.59B	1.61B	1.51B	3.41	32.3 E	18.0	12.1	7.12	4.59	3.58	2.54	2.17B	19
20	2.51B	1.63B	1.56B	3.57	32.1 E	17.7	11.6	6.99	4.50	3.79	2.56	2.07B	20
21	2.46B	1.67B	1.59B	3.64	31.7 E	17.6	11.3	6.78	4.42	3.74	2.66	2.04B	21
22	2.43B	1.64B	1.67B	3.90	31.0 E	17.1	10.9	6.64	4.33	3.75	2.71	2.02B	22
23	2.51B	1.66B	1.69B	4.08	30.2 E	16.5	10.6	6.56	4.25	3.71	2.70	2.01B	23
24	2.50B	1.61B	1.70B	4.64	29.3 E	15.6	10.3	6.48	4.17	3.77	2.72	1.90B	24
25	2.46B	1.60B	1.74B	5.31	28.8 E	15.4	9.89	6.16	4.07	3.69	2.65	1.97B	25
26	2.36B	1.61B	1.77B	5.64	28.0 E	14.6	9.54	5.83	3.95	3.66	2.64	2.13B	26
27	2.24B	1.58B	1.81B	5.71	27.3 E	13.8	9.15	5.69	3.84	3.69	2.63	2.09B	27
28	2.11B	1.59B	1.86B	5.95	26.8 E	13.5	13.4	5.70	3.73	3.98	2.60	1.98B	28
29	2.09B		1.84B	5.82	26.2 E	13.1	14.5	5.71	3.61	3.57	2.67B	1.92B	29
30	2.10B		1.77B	7.70	25.7 E	12.9	13.7	5.55	3.49	3.58	2.62B	1.92B	30
31	2.08B		1.82B		25.2 E		13.0	5.60		3.12		1.92B	31
TOTAL	80.20	49.87	49.77	98.11	761.67	568.4	411.28	270.33	139.82	119.04	83.54	68.77	TOTAL
MEAN	2.59	1.78	1.61	3.27	24.6	18.9	13.3	8.72	4.66	3.84	2.78	2.22	MEAN
MAX	2.97	2.06	1.86	7.70	32.3	24.6	15.8	13.0	5.82	4.39	3.48	2.54	MAX
MIN	2.08	1.58	1.44	1.77	8.69	12.9	9.15	5.55	3.49	3.12	2.42	1.90	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.40
MAXIMUM DAILY, 32.3E ON MAY 19
MINIMUM DAILY, 1.44B ON MAR 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 09 48 N
LONG 106 12 25 W
DRAINAGE AREA, 6 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 930	JUL	35 500
FEB	4 310	AUG	23 400
MAR	4 300	SEP	12 100
APR	8 480	OCT	10 300
MAY	65 800	NOV	7 220
JUN	49 100	DEC	5 940

TOTAL DISCHARGE, 233 000 dam³

SNAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	OB	0.002B	0.288	0.007	0	0	0	0	0	---	---	1
2	---	OB	0.016B	0.162	0.005	0	0	0	0	0	---	---	2
3	---	OB	0.424B	0.099	0.003	0	0	0	0	0	---	---	3
4	---	OB	0.825B	0.073	0.002	0	0	0	0	0	---	---	4
5	---	OB	1.21 B	0.053	0.002	0	0	0	0	0	---	---	5
6	---	OB	1.06 B	0.033	0.002	0	0.042	0	0	0	---	---	6
7	---	OB	0.775B	0.129	0.001	0.258	0.013	0	0	0	---	---	7
8	---	OB	0.594B	0.211	0.001	0.487	0.003	0	0	0	---	---	8
9	---	OB	0.339B	0.117	0.002	0.207	0	0	0	0	---	---	9
10	---	OB	0.155B	0.060	0.002	0.159	0	0	0	0	---	---	10
11	---	OB	0.099B	0.034	0.001	0.144	0	0	0	0	---	---	11
12	---	OB	0.051B	0.021	0.001	0.091	0	0	0	0	---	---	12
13	---	OB	0.029B	0.016	0.001	0.072	0	0	0	0	---	---	13
14	---	OB	0.023B	0.012	0.001	0.046	0	0	0	0	---	---	14
15	---	OB	0.017B	0.010	0.012	0.029	0	0	0	0	---	---	15
16	---	OB	0.012B	0.008	0.011	0.022	0	0	0	0	---	---	16
17	---	OB	0.010B	0.006	0.004	0.020	0	0	0	0	---	---	17
18	---	OB	0.007B	0.006	0.002	0.017	0	0	0	0	---	---	18
19	---	OB	0.006B	0.004	0.003	0.017	0	0	0	0	---	---	19
20	---	OB	0.010B	0.003	0.002	0.012	0	0	0	0	---	---	20
21	---	OB	0.008B	0.002	0.002	0.007	0	0	0	0	---	---	21
22	---	OB	0.006B	0.001	0.001	0.003	0	0	0	0	---	---	22
23	---	OB	0.004B	0.050	0.001	0.001	0	0	0	0	---	---	23
24	---	OB	0.003B	0.032	0.001	0	0	0	0	0	---	---	24
25	---	OB	0 B	0.022	0	0	0	0	0	0	---	---	25
26	---	OB	0	0.016	0	0	0	0	0	0	---	---	26
27	---	OB	0.002	0.012	0	0	0.032	0	0	0	---	---	27
28	---	OB	0.145	0.011	0	0	0.034	0	0	0	---	---	28
29	---		1.48	0.010	0	0	0.008	0	0	0	---	---	29
30	---		1.28	0.008	0	0	0.001	0	0	0	---	---	30
31	---		0.454		0		0	0		0		---	31
TOTAL	---	0	9.046	1.509	0.070	1.592	0.133	0	0	0	---	---	TOTA
MEAN	---	0	0.292	0.050	0.002	0.053	0.004	0	0	0	---	---	MEAN
MAX	---	0	1.48	0.288	0.012	0.487	0.042	0	0	0	---	---	MAX
MIN	---	0	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 1.48 ON MAR 29
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
3.36 AT 21:11 CST ON JUN 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 06 N
LONG 107 16 31 W
DRAINAGE AREA, 861 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	11.5
FEB	0	AUG	0
MAR	782	SEP	0
APR	130	OCT	0
MAY	6.05	NOV	---
JUN	138	DEC	---

TOTAL DISCHARGE, 1 070 dam³

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.005B	0	0	0	0	0	0	0	---	---	1
2	---	0 B	0.115B	0	0	0	0	0	0	0	---	---	2
3	---	0 B	0.108B	0	0	0	0	0	0	0	---	---	3
4	---	0 B	0.274B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.501B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.478B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.268B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.151B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.061B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.016B	0	0	0	0	0	0	0	---	---	10
11	---	0 B	0.008B	0	0	0	0	0	0	0	---	---	11
12	---	0 B	0.007B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.004B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.003B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.013B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0.040B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0.017B	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.008B	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0.005B	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0.003B	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	23
24	---	0 B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0 B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0 B	0 B	0	0	0	0	0	0	0	---	---	26
27	---	0 B	0 B	0	0	0	0	0	0	0	---	---	27
28	---	0.002B	0 B	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0		0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	0.002	2.090	0	0	0	0	0	0	0	---	---	TOT
MEAN	---	0	0.067	0	0	0	0	0	0	0	---	---	MEA
MAX	---	0.002	0.501	0	0	0	0	0	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.501B ON MAR 05
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
0.733B AT 19:44 CST ON MAR 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 18 N
LONG 108 51 46 W
DRAINAGE AREA, 44 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	0.173	AUG	0
MAR	181	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 181 dam³

SOURIS RIVER NEAR BECHARD - STATION NO. 05NB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.21	0	0	0	0	0.001	0	---	---	1
2	---	---	0 B	2.68	0	0	0	0	0.001	0	---	---	2
3	---	---	0 B	1.87	0	0	0	0	0.001	0	---	---	3
4	---	---	0 B	1.29	0	0	0	0		0	---	---	4
5	---	---	0 B	0.810	0	0	0	0.272	0	0	---	---	5
6	---	---	0 B	0.533	0	0	0	0.633	0	0	---	---	6
7	---	---	0 B	0.386	0	0	0	0.646	0	0	---	---	7
8	---	---	0 B	0.262	0	0	0	0.466	0	0	---	---	8
9	---	---	0 B	0.192	0	0	0	0.373	0	0	---	---	9
10	---	---	0.001B	0.108	0	0	0	0.306	0	0	---	---	10
11	---	---	0.024B	0.076	0	0	0	0.250	0	0	---	---	11
12	---	---	0.029B	0.075	0	0	0	0.206	0	0	---	---	12
13	---	---	0.027B	0.059	0	0	0	0.182	0	0	---	---	13
14	---	---	0.029B	0.037	0	0	0	0.160	0	0	---	---	14
15	---	---	0.130B	0.026	0	0	0	0.136	0	0	---	---	15
16	---	---	0.034B	0.017	0	0	0	0.113	0	0	---	---	16
17	---	---	0.054B	0.009	0	0	0	0.100	0	0	---	---	17
18	---	---	0.073B	0.006	0	0	0	0.100	0	0	---	---	18
19	---	---	0.152B	0.004	0	0	0	0.091	0	0	---	---	19
20	---	---	0.273B	0.002	0	0	0	0.078	0	0	---	---	20
21	---	---	0.482B	0.001	0	0	0	0.070	0	0	---	---	21
22	---	---	0.392B	0	0	0	0	0.060	0	0	---	---	22
23	---	---	0.446B	0	0	0	0	0.050	0	0	---	---	23
24	---	---	0.440B	0	0	0	0	0.045	0	0	---	---	24
25	---	---	0.461B	0	0	0	0	0.039	0	0	---	---	25
26	---	---	0.340B	0	0	0	0	0.034	0	0	---	---	26
27	---	---	0.324B	0	0	0	0	0.041	0	0	---	---	27
28	---	---	0.564B	0	0	0	0	0.035	0	0	---	---	28
29	---	---	1.21 B	0	0	0	0	0.020	0	0	---	---	29
30	---		2.37 B	0	0	0	0	0.008	0	0	---	---	30
31	---		2.84 B		0		0	0.003		0		---	31
TOTAL	---	---	10.695	11.653	0	0	0	4.517	0.003	0	---	---	TOTAL
MEAN	---	---	0.345	0.388	0	0	0	0.146	0	0	---	---	MEAN
MAX	---	---	2.84	3.21	0	0	0	0.646	0.001	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.110
MAXIMUM DAILY, 3.21 ON APR 01
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
3.35 AT 22:33 CST ON APR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 20 N
LONG 104 11 24 W
DRAINAGE AREA, 1 070 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	390
MAR	924	SEP	0.259
APR	1 010	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 320 dam³

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05ND001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	4.18 B	0.291	0.030	0.008	0.125	0	0	0	0	1
2	0B	0B	0 B	7.09 B	0.277	0.036	0.007	0.114	0	0	0	0	2
3	0B	0B	0 B	4.25 B	0.262	0.038	0.021	0.110	0	0	0	0	3
4	0B	0B	0 B	2.56 B	0.256	0.023	0.017	0.103	0	0	0	0	4
5	0B	0B	0 B	1.89	0.224	0.016	0.007	0.085	0	0	0	0	5
6	0B	0B	0 B	1.45	0.147	0.018	0.011	0.070	0	0	0	0	6
7	0B	0B	0.001B	1.18	0.100	0.018	0.014	0.050	0	0	0	0	7
8	0B	0B	0.002B	1.01	0.231	0.015	1.30	0.044	0	0	0	0	8
9	0B	0B	0.001B	0.840	0.300	0.013	2.93	0.039	0	0	0	0	9
10	0B	0B	0.005B	0.731	0.265	0.010	2.62	0.030	0	0	0	0	10
11	0B	0B	0.011B	0.653	0.259	0.012	2.17	0.036	0	0	0	0	11
12	0B	0B	0.033B	0.559	0.265	0.009	1.78	0.032	0	0	0	0	12
13	0B	0B	0.086B	0.477	0.262	0.015	1.55	0.028	0	0	0	0	13
14	0B	0B	0.088B	0.676	0.231	0.014	1.06	0.021	0	0	0	0	14
15	0B	0B	0.092B	0.900	0.243	0.013	0.734	0.016	0	0	0	0	15
16	0B	0B	2.92 B	0.770	0.291	0.012	0.535	0.011	0	0	0	0	16
17	0B	0B	5.11 B	0.685	0.281	0.025	0.375	0.007	0	0	0	0	17
18	0B	0B	2.36 B	0.629	0.289	0.021	0.286	0.018	0	0	0	0	18
19	0B	0B	1.85 B	0.602	0.272	0.022	0.268	0.016	0	0	0	0	19
20	0B	0B	1.52 B	0.571	0.232	0.022	0.240	0.013	0	0	0	0	20
21	0B	0B	1.06 B	0.520	0.213	0.022	0.203	0.011	0	0	0	0	21
22	0B	0B	0.901B	0.485	0.181	0.021	0.193	0.010	0	0	0	0	22
23	0B	0B	0.714B	0.457	0.176	0.019	0.185	0.012	0	0	0	0	23
24	0B	0B	0.872B	0.445	0.142	0.017	0.158	0.007	0	0	0	0	24
25	0B	0B	1.12 B	0.465	0.113	0.011	0.129	0.010	0	0	0	0	25
26	0B	0B	1.02 B	0.468	0.098	0.008	0.136	0.011	0	0	0	0	26
27	0B	0B	0.834B	0.437	0.083	0.003	0.155	0.010	0	0	0	0	27
28	0B	0B	0.745B	0.368	0.068	0.017	0.156	0.005	0	0	0	0	28
29	0B		0.774B	0.324	0.055	0.009	0.209	0.002	0	0	0	0	29
30	0B		0.804B	0.298	0.038	0.003	0.177	0	0	0	0	0	30
31	0B		1.15 B		0.035		0.144	0		0		0	31
TOTAL	0	0	24.073	35.970	6.180	0.512	17.778	1.046	0	0	0	0	TOTAL
MEAN	0	0	0.777	1.20	0.199	0.017	0.574	0.034	0	0	0	0	MEAN
MAX	0	0	5.11	7.09	0.300	0.038	2.93	0.125	0	0	0	0	MAX
MIN	0	0	0	0.298	0.035	0.003	0.007	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.234
MAXIMUM DAILY, 7.09B ON APR 02
MINIMUM DAILY, 0B ON JAN 01
MAXIMUM INSTANTANEOUS,
8.00B AT 21:07 CST ON APR 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 02 N
LONG 102 01 42 W
DRAINAGE AREA, 22 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	1 540
FEB	0	AUG	90.4
MAR	2 080	SEP	0
APR	3 110	OCT	0
MAY	534	NOV	0
JUN	44.2	DEC	0

TOTAL DISCHARGE, 7 400 dam³

SOURIS RIVER NEAR HALBRITE - STATION NO. 05NB017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.651B	0	0.021	0.027	0.006	0.097	0.002	0.010	0B	1
2	---	---	0 B	0.541B	0.447	0.030	0.040	0.024	0.097	0.001	0.010	0B	2
3	---	---	0 B	0.307B	0.758	0.047	0.591	0.031	0.093	0.001	0.008	0B	3
4	---	---	0 B	0.183	0.507	0.040	0.158	0.027	0.095	0.001	0.007	0B	4
5	---	---	0 B	0.105	0.440	0.033	0.100	0.023	0.090	0.001	0.006	---	5
6	---	---	0 B	0.055	0.445	0.026	0.073	0.018	0.085	0	0.005B	---	6
7	---	---	0 B	0.037	0.415	0.023	0.056	0.012	0.082	0	0.004B	---	7
8	---	---	0 B	0.025	0.395	0.020	0.040	0.009	0.087	0	0.004B	---	8
9	---	---	0 B	0.019	0.378	0.016	0.032	0.006	0.179	0	0.003B	---	9
10	---	---	0 B	0.010	0.355	0.011	0.031	0.003	0.199	0	0.003B	---	10
11	---	---	0 B	0.006	0.340	0.012	0.045	0.001	0.203	0	0.003B	---	11
12	---	---	0 B	0.005	0.296	0.006	0.037	0	0.129	0	0.002B	---	12
13	---	---	0 B	0.003	0.203	0.003	0.025	0	0.076	0.003	0.002B	---	13
14	---	---	0 B	0.002	0.129	0.001	0.019	0	0.054	0.014	0.002B	---	14
15	---	---	0 B	0	0.101	0	0.014	0	0.040	0.017	0.002B	---	15
16	---	---	0 B	0	0.202	0	0.010	0	0.040	0.014	0.001B	---	16
17	---	---	0 B	0	0.176	0	0.008	0	0.037	0.014	0.001B	---	17
18	---	---	0 B	0	0.114	0	0.006	0	0.030	0.011	0.001B	---	18
19	---	---	0 B	0.001	0.101	0	0.003	0	0.026	0.009	0 B	---	19
20	---	---	0 B	0.001	0.099	0	0.002	0	0.024	0.008	0 B	---	20
21	---	---	0 B	0.001	0.101	0.001	0.001	0	0.020	0.006	0 B	---	21
22	---	---	0 B	0	0.101	0.005	0	0	0.017	0.005	0 B	---	22
23	---	---	0 B	0	0.095	0.016	0	0	0.014	0.005	0 B	---	23
24	---	---	0 B	0	0.070	0.161	0	0	0.011	0.005	0 B	---	24
25	---	---	0 B	0	0.050	0.114	0	0	0.009	0.004	0 B	---	25
26	---	---	0 B	0	0.049	0.066	0.002	0	0.006	0.003	0 B	---	26
27	---	---	0 B	0	0.050	0.043	0.090	0	0.005	0.003	0 B	---	27
28	---	---	0 B	0	0.048	0.029	0.054	0.081	0.003	0.004	0 B	---	28
29	---	---	0 B	0	0.041	0.027	0.020	0.094	0.002	0.015	0 B	---	29
30	---		0.093B	0	0.030	0.022	0.010	0.090	0.002	0.015	0 B	---	30
31	---		0.124B		0.027		0.004	0.091		0.013		---	31
TOTAL	---	---	0.217	1.952	6.563	0.773	1.498	0.516	1.852	0.174	0.074	---	TOTA
MEAN	---	---	0.007	0.065	0.212	0.026	0.048	0.017	0.062	0.006	0.003	---	MEAN
MAX	---	---	0.124	0.651	0.758	0.161	0.591	0.094	0.203	0.017	0.010	---	MAX
MIN	---	---	0	0	0	0	0	0	0.002	0	0	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.050
MAXIMUM DAILY, 0.758 ON MAY 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.31 AT 08:50 CST ON JUL 03

SUMMARY FOR THE MONTHS MAR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 37 N
LONG 103 39 44 W
DRAINAGE AREA, 3 190 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	129
FEB	---	AUG	44.6
MAR	18.7	SEP	160
APR	169	OCT	15.0
MAY	567	NOV	6.39
JUN	66.8	DEC	---

TOTAL DISCHARGE, 1 180 dam³

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05NB030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.29	0	0	0	0.115	0.018	0	---	---	1
2	---	---	0 B	4.15	0	0	0	0.081	0.019	0	---	---	2
3	---	---	0 B	3.53	0	0	0	0.056	0.021	0	---	---	3
4	---	---	0 B	2.26	0	0	0 A	0.047	0.020	0	---	---	4
5	---	---	0 B	1.43	0	0	0	0.043	0.017	0	---	---	5
6	---	---	0 B	0.912	0	0	0.004	0.035	0.015	0	---	---	6
7	---	---	0 B	0.606	0	0	0.065	0.030	0.014	0	---	---	7
8	---	---	0 B	0.493	0	0	0.090	0.024	0.010	0	---	---	8
9	---	---	0 B	0.377A	0	0	0.067	0.021	0.009	0	---	---	9
10	---	---	0 B	0.228A	0	0	0.087	0.017	0.008	0	---	---	10
11	---	---	0 B	0.156A	0	0	0.098	0.013	0.006	0	---	---	11
12	---	---	0 B	0.148	0	0	0.096	0.011	0.006	0	---	---	12
13	---	---	0 B	0.120	0	0	0.081	0.008	0.001	0	---	---	13
14	---	---	0 B	0.077	0	0	0.046	0.005	0.001	0	---	---	14
15	---	---	0 B	0.058	0	0	0.030	0.004	0	0	---	---	15
16	---	---	0 B	0.038	0	0	0.018	0	0	0	---	---	16
17	---	---	0 B	0.042	0	0	0.003	0	0	0	---	---	17
18	---	---	0 B	0.039	0	0	0.002	0.012	0	0	---	---	18
19	---	---	0 B	0.022	0	0	0.001	0.027	0	0	---	---	19
20	---	---	0 B	0.022	0	0	0	0.032	0	0	---	---	20
21	---	---	0 B	0.020	0	0	0	0.032	0	0	---	---	21
22	---	---	0 B	0.013	0	0	0	0.029	0	0	---	---	22
23	---	---	0 B	0.004	0	0	0	0.029	0	0	---	---	23
24	---	---	0 B	0.002	0	0	0	0.029	0	0	---	---	24
25	---	---	0.500B	0.003	0	0	0	0.029	0	0	---	---	25
26	---	---	0.675B	0.001	0	0	0.004	0.030	0	0	---	---	26
27	---	---	0.451B	0.001	0	0	0.019	0.032	0	0	---	---	27
28	---	---	0.417B	0	0	0	0.037	0.032	0	0	---	---	28
29	---	---	0.498B	0 A	0	0	0.113	0.028	0	0	---	---	29
30	---		0.880B	0 A	0	0	0.149	0.022	0	0	---	---	30
31	---		3.08 B		0		0.154	0.021	0	0	---	---	31
TOTAL	---	---	6.501	19.042	0	0	1.164	0.017	0.165	0A	---	---	TOTAL
MEAN	---	---	0.210	0.635	0	0	0.038	0.882	0.006	0	---	---	MEAN
MAX	---	---	3.08	4.29	0	0	0.154	0.029	0.021	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0.115	0	0	---	---	MIN
								0					

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.113
MAXIMUM DAILY, 4.29 ON APR 01
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.40 AT 05:38 CST ON APR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 10 N
LONG 104 00 56 W
DRAINAGE AREA, 2 020 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	101
FEB	---	AUG	76.2
MAR	562	SEP	14.3
APR	1 650	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 400 dam³

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.042B	0.231	0.010	0.019	0.018	0.004	0	---	---	1
2	---	---	0 B	0.041B	0.234	0.025	1.73	0.045	0.004	0	---	---	2
3	---	---	0 B	0.039B	0.238	0.062	2.26	0.137	0.004	0	---	---	3
4	---	---	0 B	0.039B	0.238	0.060	1.79	0.100	0.004	0	---	---	4
5	---	---	0 B	0.039	0.177	0.074	1.21	0.069	0.003	0	---	---	5
6	---	---	0 B	0.039	0.104	0.060A	0.671	0.047	0.003	0	---	---	6
7	---	---	0 B	0.062	0.068	0.047	0.398	0.033	0.003	0	---	---	7
8	---	---	0 B	0.167	0.040	0.044	0.246	0.025	0.003	0	---	---	8
9	---	---	0 B	0.176B	0.026	0.054	0.186	0.018	0.003	0	---	---	9
10	---	---	0 B	0.179B	0.020	0.050	0.224	0.014	0.002	0	---	---	10
11	---	---	0.010B	0.176	0.016	0.039	0.252	0.012	0.002	0	---	---	11
12	---	---	0.060B	0.165	0.013	0.032	0.248	0.010	0.002	0	---	---	12
13	---	---	0.107B	0.164	0.016	0.025	0.158	0.009	0.001	0	---	---	13
14	---	---	0.051B	0.164	0.018	0.018	0.099	0.008	0.001	0	---	---	14
15	---	---	0.037B	0.167	0.017	0.014	0.069	0.007	0.001	0	---	---	15
16	---	---	0.025B	0.171	0.019	0.011	0.042	0.007	0.001	0	---	---	16
17	---	---	0.023B	0.136	0.019	0.018	0.027	0.006	0	0	---	---	17
18	---	---	0.019B	0.091	0.016	0.019	0.020	0.021	0	0	---	---	18
19	---	---	0.016B	0.068	0.015	0.017	0.018	0.044	0	0	---	---	19
20	---	---	0.025B	0.139	0.013	0.014	0.018	0.019	0.001	0	---	---	20
21	---	---	0.024B	0.221	0.011	0.010	0.017	0.008	0.001	0	---	---	21
22	---	---	0.017B	0.260	0.011	0.009	0.016	0.007	0.001	0	---	---	22
23	---	---	0.013B	0.226	0.010	0.008	0.014	0.007	0.001	0	---	---	23
24	---	---	0.011B	0.227	0.010	0.007	0.012	0.007	0	0	---	---	24
25	---	---	0.016B	0.255	0.009	0.007	0.012	0.007	0	0	---	---	25
26	---	---	0.019B	0.224	0.012	0.006	0.107	0.007	0	0.032	---	---	26
27	---	---	0.021B	0.252	0.021	0.025	0.281	0.007	0	0.295	---	---	27
28	---	---	0.022B	0.250	0.023	0.049	0.088	0.006	0	0.312	---	---	28
29	---	---	0.023B	0.264	0.018	0.034	0.042	0.006	0	0.166	---	---	29
30	---		0.032B	0.253	0.013	0.021	0.025	0.005	0	0.084	---	---	30
31	---		0.044B		0.011		0.020	0.004		0.047A		---	31
TOTAL	---	---	0.615	4.696	1.687	0.869	10.319	0.720	0.045	0.936	---	---	TOTAL
MEAN	---	---	0.020	0.157	0.054	0.029	0.333	0.023	0.002	0.030	---	---	MEAN
MAX	---	---	0.107	0.264	0.238	0.074	2.26	0.137	0.004	0.312	---	---	MAX
MIN	---	---	0	0.039	0.009	0.006	0.012	0.004	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.081
MAXIMUM DAILY, 2.26 ON JUL 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.97 AT 06:05 CST ON JUL 02

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 34 N
LONG 102 45 53 W
DRAINAGE AREA, 12 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	892
FEB	---	AUG	62.2
MAR	53.1	SEP	3.89
APR	406	OCT	80.9
MAY	146	NOV	---
JUN	75.1	DEC	---

TOTAL DISCHARGE, 1 720 dam³

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 B	0 B	0 B	1.08 B	0.340	0.048	0.018	0.125	0.004	0	0	0	1
2	0 B	0 B	0 B	1.98 B	0.311	0.071	0.018	0.119	0.003	0	0	0	2
3	0 B	0 B	0.001B	6.80 B	0.311	0.076	0.023	0.125	0.001	0	0	0	3
4	0 B	0 B	0.001B	4.25 B	0.283	0.068	0.021	0.113	0.001	0	0	0	4
5	0 B	0 B	0.001B	3.11 B	0.283	0.054	0.015	0.102	0	0	0	0	5
6	0 B	0 B	0.001B	2.83 B	0.272	0.048	0.013	0.088	0	0	0	0	6
7	0 B	0 B	0.003B	2.21	0.263	0.040	0.018	0.071	0	0	0	0	7
8	0 B	0.001B	0.011B	1.27	0.256	0.037	0.017	0.065	0	0	0	0	8
9	0 B	0.001B	0.017B	1.02	0.232	0.031	0.012	0.054	0	0	0	0	9
10	0 B	0 B	0.023B	0.821	0.198	0.028	0.012	0.045	0	0	0	0	10
11	0 B	0 B	0.025B	0.680	0.184	0.031	1.70	0.045	0	0	0	0	11
12	0 B	0 B	0.034B	0.595	0.195	0.025	2.94	0.051	0	0	0	0	12
13	0 B	0 B	0.037B	0.510	0.212	0.020	2.55	0.040	0	0	0	0	13
14	0 B	0 B	0.017B	0.453	0.215	0.017	2.21	0.026	0	0	0	0	14
15	0 B	0 B	0.020B	0.396	0.224	0.011	1.81	0.017	0	0	0	0	15
16	0 B	0 B	0.057B	0.765	0.229	0.008	1.10	0.011	0	0	0	0	16
17	0 B	0 B	0.042B	0.765	0.238	0.020	0.708	0.010	0	0	0	0	17
18	0 B	0 B	2.27 B	0.651	0.232	0.020	0.481	0.018	0	0	0	0	18
19	0 B	0 B	5.66 B	0.623	0.224	0.014	0.368	0.021	0	0	0	0	19
20	0 B	0 B	4.25 B	0.595	0.212	0.008	0.340	0.014	0	0	0	0	20
21	0 B	0 B	2.83 B	0.510	0.210	0.014	0.283	0.011	0	0	0	0	21
22	0 B	0 B	0.850B	0.481	0.207	0.021	0.232	0.011	0	0	0	0	22
23	0 B	0 B	0.566B	0.453	0.190	0.018	0.187	0.014	0	0	0	0	23
24	0.001B	0.001B	0.425B	0.425	0.170	0.014	0.181	0.012	0	0	0	0	24
25	0.004B	0.001B	0.368B	0.425	0.150	0.012	0.161	0.012	0	0	0	0	25
26	0.001B	0 B	0.566B	0.425	0.127	0.011	0.153	0.011	0	0	0	0	26
27	0.001B	0 B	1.27 B	0.396	0.102	0.034	0.207	0.011	0	0	0	0	27
28	0.001B	0 B	1.16 B	0.396	0.082	0.045	0.195	0.010	0	0	0	0	28
29	0 B		0.963B	0.396	0.071	0.034	0.167	0.008	0	0	0	0	29
30	0 B		0.850B	0.340	0.059	0.023	0.136	0.007	0	0	0	0	30
31	0 B		0.906B		0.051		0.127	0.006		0	0	0	31
TOTAL	0.008	0.004	23.224	35.651	6.335	0.901	16.403	1.273	0.009	0	0	0	TOTAL
MEAN	0	0	0.749	1.19	0.204	0.030	0.529	0.041	0	0	0	0	MEAN
MAX	0.004	0.001	5.66	6.80	0.340	0.076	2.94	0.125	0.004	0	0	0	MAX
MIN	0	0	0	0.340	0.051	0.008	0.012	0.006	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.230
MAXIMUM DAILY, 6.80B ON APR 03
MINIMUM DAILY, 0B ON JAN 01
MAXIMUM INSTANTANEOUS,
7.16B AT 17:20 CST ON APR 03

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 24 N
LONG 101 57 28 W
DRAINAGE AREA, 22 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0.691	JUL	1 420
FEB	0.346	AUG	110
MAR	2 010	SEP	0.778
APR	3 080	OCT	0
MAY	547	NOV	0
JUN	77.8	DEC	0

TOTAL DISCHARGE, 7 250 dam³

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	294	181	264	742	333	125	121	243	284	1
2	---	---	---	178	209	238	742	359	177	124	230	220	2
3	---	---	---	180	221	219	769	361	156	126	262	221	3
4	---	---	---	182	226	322	753	355	146	156	253	240B	4
5	---	---	---	148	221	393	677	364	145	178	259	285B	5
6	---	---	---	191	206	438	421	332	147	190	282	300B	6
7	---	---	---	130	133	566	386	293	138	164	265B	280B	7
8	---	---	---	118	119	662	428	311	158	172	275B	278B	8
9	---	---	---	116	204	670	424	290	175	142	271	278B	9
10	---	---	---	116	218	658	406	252	178	126	252B	278B	10
11	---	---	---	158	222	584	414	217	174	162	285B	278B	11
12	---	---	---	169	216	563	415	217	131	218	310B	278B	12
13	---	---	---	170	211	543	432	216	121	204	290B	240B	13
14	---	---	---	167	131	434	571	207	120	282	285B	204B	14
15	---	---	---	171	128	416	589	157	122	350	280B	230B	15
16	---	---	---	173	212	411	581	154	124	336	230B	248B	16
17	---	---	---	174	224	401	593	147	128	332	316	245B	17
18	---	---	---	215	183	406	568	154	123	329	319	233B	18
19	---	---	---	222	177	407	450	150	137	329	322	243B	19
20	---	---	---	174	195	438	396	132	171	300	207	210B	20
21	---	---	---	130	209	532	351	127	171	319	310	230B	21
22	---	---	---	122A	215	628	278	137	128	310	275	270B	22
23	---	---	---	127E	146	639	238	153	122	274	268	258B	23
24	---	---	---	115E	208	633	235	211	121	273	297	254B	24
25	---	---	---	133E	220	633	272	176	123	287	310	252B	25
26	---	---	---	169A	189	642	300	138	124	310	308	250B	26
27	---	---	---	172	172	655	359	164	158	307	308	250B	27
28	---	---	---	185	205	737	286	141	169	305	283	242B	28
29	---	---	---	205	217	749	288	131	137	325	260	250B	29
30	---		---	198	223	744	251	129	145	224	290	270B	30
31	---		---		241		242	126		261		290B	31
TOTAL	---	---	---	5 002	6 082	15 624	13 857	6 634	4 294	7 536	8 345	7 889	TOTAL
MEAN	---	---	---	167	196	521	447	214	143	243	278	254	MEAN
MAX	---	---	---	294	241	749	769	364	178	350	322	300	MAX
MIN	---	---	---	115	119	218	235	126	120	121	207	204	MIN

SUMMARY FOR THE MONTHS APR TO DEC

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 274
MAXIMUM DAILY, 769 ON JUL 03

MAXIMUM INSTANTANEOUS,
784 AT 04:06 CST ON JUL 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 08 25 N
LONG 106 38 36 W
DRAINAGE AREA, 141 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL 1	200 000
FEB	---	AUG	573 000
MAR	---	SEP	371 000
APR	432 000	OCT	651 000
MAY	525 000	NOV	721 000
JUN 1	350 000	DEC	682 000

TOTAL DISCHARGE, 6 510 000 dam³

REMARKS - DISCHARGE DATA WAS NOT COMPUTED FOR JAN 1 TO MAR 31 DUE TO HIGHLY VARIABLE BACKWATER CONDITIONS

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	248B	255B	340B	327B	194	220	713	207	115	132	246	268B	1
2	243B	275B	301B	283B	177	240	711	279	110	124	240	258B	2
3	265B	312B	281B	209B	196	253	740	330	140	116	223	249B	3
4	282B	305B	278B	149B	219	190	744	333	156	121	236	201B	4
5	274B	308B	218B	170B	222	282	712	330	131	129	250	203B	5
6	250B	264B	219B	132B	219	381	623	337	131	168	259B	221B	6
7	268B	248B	221B	135B	204	423	410	319	132	179	293B	228B	7
8	281B	242B	237B	120B	156	565	374	279	135	171	289B	282B	8
9	252B	209B	268B	101B	111	662	401	291	129	150	306B	277B	9
10	257B	200B	291B	114B	172	658	408	300	164	155	320B	279B	10
11	273B	231B	257B	138B	207	643	392	238	157	122	297B	281B	11
12	251B	220B	265B	163B	221	561	394	210	178	126	321B	280B	12
13	240B	286B	236B	164B	207	540	395	186	135	204	338B	258B	13
14	246B	296B	254B	167	212	509	411	181	112	194	341B	243B	14
15	289B	276B	226B	160	157	403	551	188	111	247	346B	221B	15
16	281B	287B	308B	164	124	387	570	139	114	333	358B	205B	16
17	232B	339B	323B	168	181	382	563	128	112	323	330	216B	17
18	246B	338B	250B	170	222	371	572	110	114	320	303	250B	18
19	239B	334B	307B	201	196	374	535	131	122	314	305	243B	19
20	227B	325B	338B	226	170	375	421	128	124	314	309	230B	20
21	201B	258B	294B	184	176	405	375	124	150	294	226	241B	21
22	216B	282B	287B	141	212	509	333	110	174	299	256B	216B	22
23	199B	289B	275B	120	205	604	282	120	135	297	303B	235B	23
24	189B	305B	243B	128	159	604	224	128	114	267	311B	270B	24
25	225B	298B	211B	113	165	599	201	186	114	261	269B	282B	25
26	258B	308B	243B	149	210	601	234	180	115	271	321B	267B	26
27	257B	331B	266B	166	182	609	266	139	117	300	330B	259B	27
28	270B	311B	266B	169	150	635	315	135	130	292	311B	251B	28
29	235B		302B	173	190	720	284	140	168	295	304B	260B	29
30	228B		286B	202	183	721	257	116	148	309	280B	253B	30
31	251B		300B		213		230	118		232		237B	31
TOTAL	7 673	7 932	8 391	5 014	5 812	14 426	13 641	6 140	3 987	7 059	8 821	7 664	TOTAL
MEAN	248	283	271	167	187	481	440	198	133	228	294	247	MEAN
MAX	289	339	340	327	222	721	744	337	178	333	358	282	MAX
MIN	189	200	211	101	111	190	201	110	110	116	223	201	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 265
MAXIMUM DAILY, 744 ON JUL 04
MINIMUM DAILY, 101B ON APR 09
MAXIMUM INSTANTANEOUS,
758 AT 21:00 CST ON JUL 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 55 25 N
LONG 105 48 20 W
DRAINAGE AREA, 148 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	663 000	JUL 1	180 000
FEB	685 000	AUG	530 000
MAR	725 000	SEP	344 000
APR	433 000	OCT	610 000
MAY	502 000	NOV	762 000
JUN 1	250 000	DEC	662 000

TOTAL DISCHARGE, 8 350 000 dam³

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.479	1.782	1.641	---	1.400	1.244	2.338	---	---	---	1.287	1.564	1
2	1.475	1.815	1.460	---	1.384	1.444	2.341	---	---	1.066	1.526	1.450A	2
3	1.492	1.620	1.394	---	1.355	1.787	2.338	1.679	---	1.178	1.394	1.550	3
4	1.571	1.508	1.438	---	1.294	1.812	2.110	1.604	---	1.189	1.509	1.538	4
5	1.609	1.409	1.522	---	1.116	1.951	1.796A	1.568	---	1.189	1.519	1.521	5
6	1.450	1.272	1.522	---	0.978	2.143	---	1.603	---	1.117	1.473	1.498	6
7	1.508	1.296	1.582	---	1.283	2.234	---	1.668	1.195	1.096	1.597	1.521	7
8	1.542	1.494	1.531	---	1.321	2.242	---	---	1.143	0.987	1.447	1.483	8
9	1.429	1.562	1.567	---	1.372	2.177	---	---	1.302	1.020	1.481	1.501	9
10	1.464	1.651	1.390	---	1.299	2.080	---	---	1.059	1.337	1.619	1.510	10
11	1.579	1.648	1.476	1.222	1.353	2.080	---	---	0.970	1.203	1.643	1.488	11
12	1.593	1.823	1.487	1.198	1.072	1.978	---	---	0.968	1.344	1.579	1.507	12
13	1.499	1.881	1.616	1.217	1.016	1.838	---	---	0.988	1.652	1.670	1.515	13
14	1.253	1.874	1.703	1.218	1.293	1.843	---	---	0.994	1.653	1.602	1.527	14
15	1.472	1.827	1.459	1.202	1.375	1.839	---	---	0.993	1.640	1.612	1.466	15
16	1.356	1.831	1.713	1.328	1.257	1.811	---	---	1.002	1.624	1.636	1.523	16
17	1.312	1.831	1.725	1.393	1.231	1.828	---	---	1.067	1.624	1.642	1.621	17
18	1.323	1.580	1.570	1.241	1.215	1.815	---	---	1.181	1.633	1.530	1.555	18
19	1.233	1.771	1.568	1.047	1.413	1.937	---	---	---	1.553	1.335	1.845	19
20	1.200	1.677	1.570	1.038	1.359	2.094	---	---	---	1.592	1.645	1.787	20
21	1.238	1.719	1.483	1.037	1.105	2.181	---	---	---	1.537	1.700	1.794	21
22	1.407	1.692	1.704	0.979	1.263	2.179	---	---	---	1.504	1.693	1.718	22
23	1.481	1.690	1.553	1.245	1.377	2.174	---	---	---	1.505	1.663	1.669	23
24	1.490	1.750	1.625	1.238	1.254	2.181	---	---	---	1.611	1.669	1.661	24
25	1.551	1.697	1.512	1.253	1.107	2.185	---	---	---	1.540	1.684	1.854	25
26	1.399	1.786	1.637	1.203	1.430	2.262	---	---	---	1.620	1.656	1.778	26
27	1.584	1.693	1.522	1.151	1.279	2.338	---	---	---	1.583	1.540	1.670	27
28	1.460	1.591	---	1.261	1.397	2.338	---	---	---	1.502	1.491	2.044	28
29	1.741		---	1.205	1.395	2.333	---	---	---	1.441	1.534	2.088A	29
30	1.779		---	1.337	1.403	2.336	---	---	---	1.386	1.525	1.960A	30
31	1.817		---		1.525		---	---		1.345		1.916	31
MEAN	1.477	1.670	---	---	1.288	2.023	---	---	---	---	1.563	1.649	MEAN
MAX	1.817	1.881	---	---	1.525	2.338	---	---	---	---	1.700	2.088	MAX
MIN	1.200	1.272	---	---	0.978	1.244	---	---	---	---	1.287	1.450	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 2.341 ON JUL 02

MAXIMUM INSTANTANEOUS,
2.378 AT 22:03 CST ON DEC 28

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 496.824 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 19 20 N
LONG 106 57 19 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1964

DRAINAGE AREA,
136 000 km²

SPANGLER DITCH NEAR GOVENLOCK - STATION NO. 11AB060

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.502E	0	0.201	0	0.620	0	0	---	---	1
2	---	---	0 B	0.502E	0	0.201	0	0.029	0	0	---	---	2
3	---	---	0 B	0.497E	0	0.203	0	0.014	0	0	---	---	3
4	---	---	0 B	0.495E	0	0.121	0	0.003	0.487	0	---	---	4
5	---	---	0 B	0.496E	0	0.008	0	0	0.960	0	---	---	5
6	---	---	0 B	0.492E	0	0.003	0	0	0.953	0	---	---	6
7	---	---	0 B	0.491E	0	0.005	0	0	0.943	0	---	---	7
8	---	---	0 B	0.486E	0	0	0	0	0.955	0	---	---	8
9	---	---	0 B	0.384A	0	0	0	0	0.628	0	---	---	9
10	---	---	0 B	0.027A	0	0	0	0	0.196	0	---	---	10
11	---	---	0 B	0 A	0	0	0	0	0.003	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0.421	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0.728	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0.804	0	0.545	0	0	0	---	---	16
17	---	---	0 B	0	0.864	0	0.947	0	0	0	---	---	17
18	---	---	0 B	0	1.02	0	0.988	0	0	0	---	---	18
19	---	---	0.215B	0	1.09	0	0.981	0	0	0	---	---	19
20	---	---	0.512B	0	1.09	0	0.967	0	0	0	---	---	20
21	---	---	0.505A	0	1.08	0	0.955	0	0	0	---	---	21
22	---	---	0.510E	0	1.08	0	0.945	0	0	0	---	---	22
23	---	---	0.520E	0	1.07	0	0.938	0	0	0	---	---	23
24	---	---	0.528E	0	1.07	0	0.942	0	0	0	---	---	24
25	---	---	0.528E	0	1.07	0	0.950	0	0	0	---	---	25
26	---	---	0.519E	0	1.07	0	0.943	0	0	0	---	---	26
27	---	0B	0.508E	0	0.950	0	0.933	0	0	0	---	---	27
28	---	0B	0.514A	0	0.825	0	0.927	0	0	0	---	---	28
29	---		0.508E	0	0.516	0	0.923	0	0	0	---	---	29
30	---		0.506E	0	0.392	0	0.920	0	0	0	---	---	30
31	---		0.505E		0.203		0.912	0		0		---	31
TOTAL	---	---	6.378	4.372	15.343	0.742	14.716	0.666	5.125	0	---	---	TOTAL
MEAN	---	---	0.206	0.146	0.495	0.025	0.475	0.022	0.171	0	---	---	MEAN
MAX	---	---	0.528	0.502	1.09	0.203	0.988	0.620	0.960	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 1.09 ON MAY 19
MINIMUM DAILY, 0B ON MAR 01

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 09 16 N
LONG 109 54 58 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 270
FEB	---	AUG	57.5
MAR	551	SEP	443
APR	378	OCT	0
MAY	1 330	NOV	---
JUN	64.1	DEC	---

TOTAL DISCHARGE, 4 090 dam³

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.82 B	0.307	0.002	0	0	0	0	---	---	1
2	---	---	0 B	3.92 B	0.258	0.001	0	0	0	0	---	---	2
3	---	---	0 B	10.9 B	0.195	0.001	0	0	0	0	---	---	3
4	---	---	0 B	14.3 B	0.153	0.001	0	0	0	0	---	---	4
5	---	---	0 B	10.5	0.131	0.001	0	0	0	0	---	---	5
6	---	---	0 B	8.21	0.114	0.001	0	0	0	0	---	---	6
7	---	---	0 B	9.03	0.107	0.001	0	0	0	0	---	---	7
8	---	---	0 B	7.97	0.102	0.001	0	0	0	0	---	---	8
9	---	---	0 B	5.35	0.082	0.001	0	0	0	0	---	---	9
10	---	---	0 B	3.42	0.065	0.001	0	0	0	0	---	---	10
11	---	---	0 B	3.41	0.055	0.001	0	0	0	0	---	---	11
12	---	---	0 B	2.46	0.051	0.001	0	0	0	0	---	---	12
13	---	---	0 B	2.15	0.048	0.001	0	0	0	0	---	---	13
14	---	---	0 B	2.28	0.040	0.001	0	0	0	0	---	---	14
15	---	---	0 B	2.91	0.033	0.001	0	0	0	0	---	---	15
16	---	---	0 B	2.19	0.029	0.001	0	0	0	0	---	---	16
17	---	---	0 B	1.99	0.024	0.001	0	0	0	0	---	---	17
18	---	---	0 B	2.04	0.018	0.001	0	0	0	0	---	---	18
19	---	---	0 B	2.45	0.014	0.001	0	0	0	0	---	---	19
20	---	---	0 B	2.53	0.012	0.001	0	0	0	0	---	---	20
21	---	---	0 B	2.00	0.013	0	0	0	0	0	---	---	21
22	---	---	0 B	1.73	0.017	0	0	0	0	0	---	---	22
23	---	---	0 B	1.48	0.018	0	0	0	0	0	---	---	23
24	---	---	0 B	1.26	0.017	0	0	0	0	0	---	---	24
25	---	---	0 B	1.03	0.013	0	0	0	0	0	---	---	25
26	---	---	0 B	0.849	0.009	0	0	0	0	0	---	---	26
27	---	---	0 B	0.695	0.006	0	0	0	0	0	---	---	27
28	---	---	0 B	0.578	0.004	0	0	0	0	0	---	---	28
29	---	---	0 B	0.459	0.003	0	0	0	0	0	---	---	29
30	---		0.482B	0.382	0.003	0	0	0	0	0	---	---	30
31	---		3.33 B		0.002		0	0		0	---	---	31
TOTAL	---	---	3.812	111.372	1.943	0.021	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.123	3.71	0.063	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	3.33	14.3	0.307	0.002	0	0	0	0	---	---	MAX
MIN	---	---	0	0.382	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.478
MAXIMUM DAILY, 14.3B ON APR 04
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
21.4B AT 23:01 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 36 N
LONG 102 48 21 W
DRAINAGE AREA, 259 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	329	SEP	0
APR	9 620	OCT	0
MAY	168	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 10 100 dam³

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO. 05GG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.522	0.483	0.543	0.594	0	---	---	1
2	---	---	0	0	0	0.521	0.485	0.544	0.592	0	---	---	2
3	---	---	0	0	0.237	0.526	0.487	0.543	0.590	0	---	---	3
4	---	---	0	0	0.493	0.524	0.490	0.547	0.592	0	---	---	4
5	---	---	0	0	0.488	0.524	0.486	0.546	0.596	0	---	---	5
6	---	---	0	0	0.485	0.522	0.479	0.548	0.588	0	---	---	6
7	---	---	0	0	0.482	0.526	0.473	0.555	0.579	0	---	---	7
8	---	---	0	0	0.476	0.526	0.473	0.385	0.577	0	---	---	8
9	---	---	0	0	0.471	0.530	0.471	0.560	0.573	0	---	---	9
10	---	---	0	0	0.471	0.515	0.466	0.574	0.270	0	---	---	10
11	---	---	0	0	0.470	0.518	0.459	0.580	0	0	---	---	11
12	---	---	0	0	0.474	0.523	0.456	0.582	0	0	---	---	12
13	---	---	0	0	0.483	0.527	0.459	0.589	0	0	---	---	13
14	---	---	0	0	0.490	0.526	0.455	0.580	0	0	---	---	14
15	---	---	0	0	0.501	0.517	0.463	0.581	0	0	---	---	15
16	---	---	0	0	0.506	0.519	0.465	0.587	0	0	---	---	16
17	---	---	0	0	0.504	0.522	0.469	0.584	0	0	---	---	17
18	---	---	0	0	0.507	0.526	0.469	0.595	0	0	---	---	18
19	---	---	0	0	0.516	0.529	0.476	0.596	0	0	---	---	19
20	---	---	0	0	0.527	0.528	0.469	0.594	0	0	---	---	20
21	---	---	0	0	0.522	0.525	0.473	0.593	0	0	---	---	21
22	---	---	0	0	0.528	0.507	0.482	0.592	0	0	---	---	22
23	---	---	0	0	0.535	0.498	0.481	0.592	0	0	---	---	23
24	---	---	0	0	0.532	0.510	0.486	0.598	0	0	---	---	24
25	---	---	0	0	0.535	0.502	0.490	0.598	0	0	---	---	25
26	---	---	0	0	0.533	0.500	0.505	0.595	0	0	---	---	26
27	---	---	0	0	0.533	0.500	0.530	0.592	0	0	---	---	27
28	---	---	0	0	0.535	0.486	0.540	0.594	0	0	---	---	28
29	---	---	0	0	0.524	0.487	0.543	0.596	0	0	---	---	29
30	---		0	0	0.516	0.479	0.544	0.595	0	0	---	---	30
31	---		0		0.520		0.545	0.597		0	---	---	31
TOTAL	---	---	0	0	14.396	15.467	15.052	17.755	5.551	0	---	---	TOTAL
MEAN	---	---	0	0	0.464	0.516	0.486	0.573	0.185	0	---	---	MEAN
MAX	---	---	0	0	0.535	0.530	0.545	0.598	0.596	0	---	---	MAX
MIN	---	---	0	0	0	0.479	0.455	0.385	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.278
MAXIMUM DAILY, 0.598 ON AUG 24
MINIMUM DAILY, 0 ON MAR 01
MAXIMUM INSTANTANEOUS,
0.606 AT 10:42 CST ON AUG 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 40 20 N
LONG 106 00 00 W

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 300
FEB	---	AUG	1 530
MAR	0	SEP	480
APR	0	OCT	0
MAY	1 240	NOV	---
JUN	1 340	DEC	---

TOTAL DISCHARGE, 5 890 dam³

SQUAW COULEE NEAR WILLOW CREEK - STATION NO. 11AB103

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	1.50 A	0	0	0	0	0	0	0	---	---	2
3	---	---	3.55 E	0	0	0	0	0	0	0	---	---	3
4	---	---	3.38 E	0	0	0.006	0	0	0	0	---	---	4
5	---	---	3.02 A	0	0	0.003	0	0	0	0	---	---	5
6	---	---	2.81	0	0	0.002	0	0	0	0	---	---	6
7	---	---	2.68	0	0	0.001	0	0	0	0	---	---	7
8	---	---	1.20	0.001	0	0	0	0	0	0	---	---	8
9	---	---	0.415	0.002	0	0	0	0	0	0	---	---	9
10	---	---	0.432	0.162	0	0	0	0	0	0	---	---	10
11	---	---	0.274	0.408	0	0	0	0	0	0	---	---	11
12	---	---	0.084	0.512	0	0	0	0	0	0	---	---	12
13	---	---	0.075	0.160	0	0	0	0	0	0	---	---	13
14	---	---	0.043	0.076	0	0	0	0	0	0	---	---	14
15	---	---	0.024	0.105	0	0	0	0	0	0	---	---	15
16	---	---	0.014	0.090	0	0	0	0	0	0	---	---	16
17	---	---	0.024	0.058	0	0	0	0	0	0	---	---	17
18	---	---	0.062	0.053	0	0	0	0	0	0	---	---	18
19	---	---	0.443	0.048	0	0	0	0	0	0	---	---	19
20	---	---	0.365	0.038	0	0	0	0	0	0	---	---	20
21	---	---	0.147	0.029	0	0	0	0	0	0	---	---	21
22	---	---	0.072	0.016	0	0	0	0	0	0	---	---	22
23	---	---	0.038	0.007	0	0	0	0	0	0	---	---	23
24	---	---	0.018	0.003	0	0	0	0	0	0	---	---	24
25	---	---	0.011	0.002	0	0	0	0	0	0	---	---	25
26	---	---	0.007	0.001	0	0	0	0	0	0	---	---	26
27	---	---	0.004	0	0	0	0	0	0	0	---	---	27
28	---	---	0.003	0	0	0	0	0	0	0	---	---	28
29	---	---	0.001	0	0	0	0	0	0	0	---	---	29
30	---		0.001	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	20.697	1.771	0	0.012	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.668	0.059	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	3.55	0.512	0	0.006	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.092
MAXIMUM DAILY, 3.55E ON MAR 03
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 02 11 N
LONG 109 48 23 W
DRAINAGE AREA, 102 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 790	SEP	0
APR	153	OCT	0
MAY	0	NOV	---
JUN	1.04	DEC	---

TOTAL DISCHARGE, 1 940 dam³

STOCKHOLM INDEX RESERVOIR - STATION NO. 05JM019

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	29.059	---	---	---	---	---	27.554	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	28.685	---	28.063	27.704	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	27.456	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	28.410	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	29.139	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	29.020	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	29.060E	---	28.720E	---	---	27.750E	---	---	---	30
31	---		29.130E		28.990E		28.475E	28.110E		27.570E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 45 08 N
LONG 102 16 51 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA, 0.83 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

STONY CREEK NEAR KAMSACK - STATION NO. 05MD010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.002B	0.026B	0.640	0.057A	0.039	0.008E	0.003A	0.001E	---	---	1
2	---	---	0.002B	0.007B	0.564	0.027	0.014	0.031A	0.003E	0.001E	---	---	2
3	---	---	0.002B	0.118B	0.415	0.010A	0.013	0.008E	0.036A	0.001E	---	---	3
4	---	---	0.002B	0.711B	0.216	0.039	0.025	0.007E	0.033	0.001E	---	---	4
5	---	---	0.002B	0.820B	0.054	0.108	0.011	0.006E	0.007	0.001E	---	---	5
6	---	---	0.002B	0.863B	0.032	0.057	0.010A	0.006E	0.003A	0.001E	---	---	6
7	---	---	0.002B	0.761B	0.071	0.056	0.009	0.005E	0.002E	0.001E	---	---	7
8	---	---	0.002B	0.902B	0.562	0.041	0.478	0.005E	0.002E	0.001E	---	---	8
9	---	---	0.002B	0.739B	0.580	0.010E	0.621	0.004E	0.002E	0.001E	---	---	9
10	---	---	0.002B	0.521B	0.342	0.008E	0.362	0.004E	0.002E	0.001E	---	---	10
11	---	---	0.002B	0.441B	0.165	0.006E	0.120	0.004E	0.002E	0.001E	---	---	11
12	---	---	0.002B	0.520B	0.049	0.010A	0.030	0.004E	0.001E	0.001E	---	---	12
13	---	---	0.002B	1.28 B	0.014	0.007E	0.009	0.003E	0.001E	0.001E	---	---	13
14	---	---	0.002B	2.15 B	0.006	0.005E	0.007E	0.003E	0.001E	0.001E	---	---	14
15	---	---	0.002B	3.34 B	0.003	0.005E	0.006E	0.003E	0.001E	0.001E	---	---	15
16	---	---	0.002B	4.20 B	0.241	0.005E	0.005E	0.002E	0.001E	0.002A	---	---	16
17	---	---	0.002B	4.50 B	0.393	0.018A	0.004E	0.002E	0.001E	0.002	---	---	17
18	---	---	0.002B	7.59 B	0.287	0.021	0.003E	0.002E	0.001E	0.002	---	---	18
19	---	---	0.002B	11.4	0.277	0.007	0.020A	0.002E	0.001E	0.056	---	---	19
20	---	---	0.002B	11.3	0.402	0.133A	0.046	0.001E	0.001E	0.005	---	---	20
21	---	---	0.002B	10.7	0.643	0.094	0.013	0.001E	0.001E	0.002	---	---	21
22	---	---	0.003B	8.03	0.516	0.017	0.009A	0.003A	0.003A	0.001	---	---	22
23	---	---	0.009B	4.85	0.505	0.009A	0.008E	0.002A	0.006A	0.001	---	---	23
24	---	---	0.066B	3.52	0.423	0.005E	0.007E	0.003A	0.002E	0.001	---	---	24
25	---	---	0.107B	2.52	0.320	0.004E	0.006E	0.003A	0.001E	0.001	---	---	25
26	---	0.002B	0.127B	1.88	0.138	0.002E	0.005E	0.002E	0.001A	0.001	---	---	26
27	---	0.002B	0.138B	1.41	0.044	0.002A	0.004E	0.152	0.001E	0.001	---	---	27
28	---	0.002B	0.032B	1.09	0.024	0.309A	0.003E	0.341	0.001E	0.001	---	---	28
29	---		0.023B	0.889	0.010	0.400	0.010A	0.148	0.001E	0.001A	---	---	29
30	---		0.039B	0.757	0.008	0.144	0.018	0.036	0.001E	0.001E	---	---	30
31	---		0.038B		0.006E		0.010A	0.005		0.001E		---	31
TOTAL	---	---	0.624	87.835	7.950	1.616	1.925	0.806	0.122	0.094	---	---	TOTAL
MEAN	---	---	0.020	2.93	0.257	0.054	0.062	0.026	0.004	0.003	---	---	MEAN
MAX	---	---	0.138	11.4	0.643	0.400	0.621	0.341	0.036	0.056	---	---	MAX
MIN	---	---	0.002	0.007	0.003	0.002	0.003	0.001	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.412
MAXIMUM DAILY, 11.4 ON APR 19
MINIMUM DAILY, 0.001E ON AUG 20
MAXIMUM INSTANTANEOUS,
11.7 AT 16:48 CST ON APR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 19 N
LONG 101 50 19 W
DRAINAGE AREA, 461 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	166
FEB	---	AUG	69.6
MAR	53.9	SEP	10.5
APR	7 590	OCT	8.12
MAY	687	NOV	---
JUN	140	DEC	---

TOTAL DISCHARGE, 8 730 dam³

STONY CREEK NEAR STENEN - STATION NO. 05MC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.296	0.016	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.270	0.015	0	0	0	0	---	---	2
3	---	---	0B	0.050B	0.244	0.007	0	0	0	0	---	---	3
4	---	---	0B	0.400B	0.221	0.005	0	0	0	0	---	---	4
5	---	---	0B	0.636B	0.203	0.005	0	0	0	0	---	---	5
6	---	---	0B	1.16 B	0.185	0.005	0	0	0	0	---	---	6
7	---	---	0B	2.29 B	0.169	0.005	0	0	0	0	---	---	7
8	---	---	0B	2.52 B	0.166	0.004	0	0	0	0	---	---	8
9	---	---	0B	2.28 B	0.160	0.004	0	0	0	0	---	---	9
10	---	---	0B	2.20 B	0.152	0.004	0	0	0	0	---	---	10
11	---	---	0B	2.02 B	0.145	0.004	0	0	0	0	---	---	11
12	---	---	0B	1.86	0.140	0.004	0	0	0	0	---	---	12
13	---	---	0B	1.75	0.141	0.003	0	0	0	0	---	---	13
14	---	---	0B	1.68	0.129	0.003	0	0	0	0	---	---	14
15	---	---	0B	1.54	0.110	0.002	0	0	0	0	---	---	15
16	---	---	0B	1.38	0.111	0.001	0	0	0	0	---	---	16
17	---	---	0B	1.23	0.106	0.001	0	0	0	0	---	---	17
18	---	---	0B	1.12	0.089	0.002	0	0	0	0	---	---	18
19	---	---	0B	1.23	0.076	0.001	0	0	0	0	---	---	19
20	---	---	0B	1.01	0.091	0.001	0	0	0	0	---	---	20
21	---	---	0B	0.937	0.077	0	0	0	0	0	---	---	21
22	---	---	0B	0.901	0.280	0	0	0	0	0	---	---	22
23	---	---	0B	0.839	0.259	0	0	0	0	0	---	---	23
24	---	---	0B	0.748	0.191	0	0	0	0	0	---	---	24
25	---	---	0B	0.640	0.139	0	0	0	0	0	---	---	25
26	---	---	0B	0.562	0.104	0	0	0	0	0	---	---	26
27	---	---	0B	0.478	0.083	0	0	0	0	0	---	---	27
28	---	---	0B	0.413	0.066A	0	0	0	0	0	---	---	28
29	---	---	0B	0.357	0.048A	0	0	0	0	0	---	---	29
30	---		0B	0.326	0.029	0	0	0	0	0	---	---	30
31	---		0B		0.018		0	0		0		---	31
TOTAL	---	---	0	32.557	4.500	0.092	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	1.09	0.145	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0	2.52	0.296	0.016	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0.018	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.152
MAXIMUM DAILY, 2.52B ON APR 08
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
2.84B AT 19:45 CST ON APR 07

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 52 58 N
LONG 102 19 48 W
DRAINAGE AREA, 254 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	2 610	OCT	0
MAY	389	NOV	---
JUN	7.95	DEC	---

TOTAL DISCHARGE, 3 210 dam³

STURGEON LAKE NEAR PRINCE ALBERT - STATION NO. 05GF003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	7.791	7.601	7.620	---	---	---	---	1
2	---	---	---	---	---	7.781	7.601	7.611	---	---	---	---	2
3	---	---	---	---	---	7.771	7.641	7.611	---	---	---	---	3
4	---	---	---	---	---	7.761	7.641	7.591	---	---	---	---	4
5	---	---	---	---	---	7.761	7.651	7.591	7.490	---	---	---	5
6	---	---	---	---	---	7.751	7.651	7.581	---	---	---	---	6
7	---	---	---	---	---	7.741	7.651	7.581	---	---	---	---	7
8	---	---	---	---	---	7.741	7.651	7.581	---	---	---	---	8
9	---	---	---	---	7.878	7.731	7.651	7.551	---	---	---	---	9
10	---	---	---	---	---	7.711	7.651	7.551	---	---	---	---	10
11	---	---	---	---	7.861	7.701	7.651	7.551	---	---	---	---	11
12	---	---	---	---	7.891	7.681	7.651	7.551	---	---	---	---	12
13	---	---	---	---	7.881	7.671	7.651	7.551	---	---	---	---	13
14	---	---	---	---	7.861	7.661	7.651	7.541	---	---	---	---	14
15	---	---	---	---	7.851	7.661	7.651	7.541	---	---	---	---	15
16	---	---	---	---	---	7.661	7.651	7.541	---	---	---	---	16
17	---	---	---	---	7.831	7.651	7.651	7.541	---	---	---	---	17
18	---	---	---	---	7.831	7.651	7.651	7.541	---	---	---	---	18
19	---	---	---	---	7.836	7.651	7.651	7.542	---	---	7.475	---	19
20	---	---	---	---	7.841	7.651	7.641	7.542	---	---	---	---	20
21	---	---	---	---	7.841	7.651	7.641	7.542	---	---	---	---	21
22	---	---	---	---	7.841	7.651	7.641	7.542	---	---	---	---	22
23	---	---	---	---	---	7.651	7.641	7.542	---	---	---	---	23
24	---	---	---	---	---	7.651	7.641	7.542	---	---	---	---	24
25	---	---	---	---	---	7.641	7.642	7.542	---	---	---	---	25
26	---	---	---	---	---	7.621	7.641	7.542	---	---	---	---	26
27	---	---	---	---	7.831	7.611	7.641	7.542	---	---	---	---	27
28	---	---	---	---	7.811	7.611	7.641	7.542	---	---	---	---	28
29	---		---	---	---	7.601	7.641	7.542	---	---	---	---	29
30	---		---	---	---	7.601	7.621	7.542	--	---	---	---	30
31	---		---		7.791		7.621	7.542		---		---	31
MEAN	---	---	---	---	---	7.682	7.642	7.557	---	---	---	---	MEAN
MAX	---	---	---	---	---	7.791	7.651	7.620	---	---	---	---	MAX
MIN	---	---	---	---	---	7.601	7.601	7.541	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 25 21 N
LONG 106 09 42 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

DRAINAGE AREA,
1 490 km²

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.311B	1.14B	5.04	2.52	0.263	0.370	0.101	0.062	0.213	---	1
2	---	---	0.314B	1.43B	5.28	2.49	0.253	0.351	0.097	0.078	0.239	---	2
3	---	---	0.317B	1.76B	5.39	2.80	0.483	0.321	0.112	0.097	0.239	---	3
4	---	---	0.319B	1.81B	5.38	2.24	0.721	0.297	0.080A	0.107	0.218	---	4
5	---	---	0.321B	3.80B	5.33	1.94	0.769	0.269	0.071A	0.108	0.205	---	5
6	---	---	0.327B	4.93B	5.35	1.80	0.683	0.244	0.062A	0.119	0.196	---	6
7	---	---	0.335B	5.05B	5.17	1.64	0.623	0.221	0.102A	0.123	0.185	---	7
8	---	---	0.341B	7.35B	5.26	1.65	0.664	0.187	0.120A	0.127	0.281A	---	8
9	---	---	0.350B	7.26B	5.23	1.48	0.294	0.157	0.133	0.130	---	---	9
10	---	---	0.359B	7.18B	5.01	1.55	0.050	0.189	0.135A	0.134	---	---	10
11	---	---	0.366B	8.80B	4.82	1.73	0.516	0.211	0.067A	0.137	---	---	11
12	---	---	0.379B	8.45B	4.59	1.59	0.616	0.225	0.035A	0.141	---	---	12
13	---	---	0.389B	7.34B	4.40	1.53	0.859	0.211	0.026A	0.144	---	---	13
14	---	---	0.400B	6.09B	4.26	1.24	0.976	0.202	0.040A	0.133	---	---	14
15	---	---	0.414B	6.16	4.21	1.17	1.41	0.201	0.047A	0.129	---	---	15
16	---	---	0.430B	6.03	4.12	1.14	0.532	0.199	0.040A	0.125	---	---	16
17	---	---	0.455B	5.99	3.93	1.17	0.424	0.207	0.036A	0.122	---	---	17
18	---	---	0.490B	5.92	3.74	0.995	0.467	0.202	0.017A	0.125	---	---	18
19	---	---	0.530B	5.64	3.92	0.615	0.529	0.168	0.006A	0.128	---	---	19
20	---	---	0.570B	5.25	4.19	0.481	0.568	0.135	0.031A	0.129	---	---	20
21	---	---	0.623B	4.92	4.02	0.721	0.557	0.134	0.068A	0.121	---	---	21
22	---	---	0.650B	4.73	3.87	0.721	0.548	0.154	0.065A	0.128	---	---	22
23	---	---	0.690B	4.56	3.69	0.689	0.524	0.129	0.076A	0.131	---	---	23
24	---	---	0.710B	4.79	3.45	0.575	0.524	0.112	0.070A	0.142	---	---	24
25	---	---	0.740B	4.80	3.25	0.490	0.524	0.119	0.067	0.157	---	---	25
26	---	---	0.760B	4.79	3.11	0.400	0.514	0.130	0.067	0.167	---	---	26
27	---	---	0.780B	4.58	3.04	0.388	0.581	0.143	0.057	0.182	---	---	27
28	---	---	0.800B	4.49	2.90	0.298	0.571	0.117	0.056	0.202	---	---	28
29	---	---	0.840B	4.66A	2.75	0.290	0.597	0.108	0.058	0.182	---	---	29
30	---		0.907B	4.88A	2.61	0.270	0.529	0.076	0.058	0.189	---	---	30
31	---		1.08 B		2.51		0.448	0.102		0.201		---	31
TOTAL	---	---	16.297	154.58	129.82	36.613	17.617	5.891	2.000	4.200	---	---	TOTAL
MEAN	---	---	0.526	5.15	4.19	1.22	0.568	0.190	0.067	0.136	---	---	MEAN
MAX	---	---	1.08	8.80	5.39	2.80	1.41	0.370	0.135	0.202	---	---	MAX
MIN	---	---	0.311	1.14	2.51	0.270	0.050	0.076	0.006	0.062	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.50
MAXIMUM DAILY, 8.80B ON APR 11
MINIMUM DAILY, 0.006A ON SEP 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 12 47 N
LONG 105 53 06 W
DRAINAGE AREA, 5 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 520
FEB	---	AUG	509
MAR	1 410	SEP	173
APR	13 400	OCT	363
MAY	11 200	NOV	---
JUN	3 160	DEC	---

TOTAL DISCHARGE, 31 700 dam³

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.1	14.6	14.7	14.8	18.6	31.1	36.0	41.1	35.1	27.1	23.3	21.6	1
2	14.1	14.5	14.6	14.9	18.6	30.9	36.2	40.8	35.3	26.8	23.9	21.6	2
3	14.1	14.6	14.6	14.9	18.6	30.7	36.6	40.2	35.3	27.2	24.0	21.5	3
4	14.1	14.6	14.6	14.9	18.9	30.5	37.2	39.7	34.9	27.3	23.8	21.5	4
5	14.2	14.6	14.6	14.8	19.7	30.6	37.5	39.5	34.5	27.2	23.8	21.5	5
6	14.2	14.6	14.6	14.8	21.3	30.8	37.7	39.4	34.2	26.8	23.8	21.5	6
7	14.3	14.6	14.6	14.7	23.5	31.1	37.9	39.3	33.4	26.5	23.5	21.5	7
8	14.3	14.5	14.6	14.7	24.9	34.1	38.1	39.1	33.2	26.2	23.3	21.3	8
9	14.2	14.7	14.9	14.6	25.5	34.4	38.3	38.5	32.6	26.0	22.9	21.4	9
10	14.3	14.7	15.3	14.6	26.0	33.4	38.7	38.1	32.2	25.8	22.8	21.4	10
11	14.3	14.6	15.3	14.5	26.5	33.2	38.9	38.0	32.1	25.9	22.6	21.3	11
12	14.3	14.9	15.3	14.5	26.9	33.1	38.9	37.8	31.8	25.7	22.5	21.3	12
13	14.3	15.0	15.3	14.5	27.4	33.0	38.7	38.3	31.4	25.8	22.3	21.2	13
14	14.4	15.0	15.3	14.5	28.1	32.6	38.8	38.5	31.5	25.8	22.2	21.2	14
15	14.4	15.0	15.2	14.5	28.7	32.3	38.3	38.1	31.1	25.5	22.0	21.1	15
16	14.4	14.9	15.2	14.4	30.0	32.3	38.1	37.9	30.8	25.3	21.9	21.1	16
17	14.4	14.9	15.2	14.4	30.8	32.5	38.0	37.4	30.4	25.2	21.8	21.0	17
18	14.5	14.8	15.1	14.5	31.5	32.6	38.1	37.0	30.0	24.9	21.7	21.0	18
19	14.5	14.8	14.9	14.7	31.8	32.6	38.2	36.6	29.7	24.7	21.7	20.9	19
20	14.6	14.7	15.1	14.8	32.2	32.8	38.5	36.3	29.6	24.5	21.6	20.9	20
21	14.7	14.6	15.2	14.9	32.3	33.1	38.4	35.8	29.4	24.4	21.7	20.8	21
22	14.8	14.6	15.2	15.1	32.4	33.4	38.5	35.9	29.3	24.2	22.1	20.7	22
23	14.8	14.7	15.1	15.5	32.5	33.6	38.6	36.0	29.1	24.2	22.3	20.6	23
24	14.9	14.6	15.1	16.0	32.5	33.9	38.6	35.6	29.0	24.1	22.4	20.5	24
25	14.8	14.7	15.2	16.5	32.2	34.1	38.5	35.2	28.7	24.0	22.3	20.5	25
26	15.0	14.8	14.9	17.3	31.9	34.1	38.5	34.6	28.5	24.0	22.1	20.6	26
27	15.1	14.7	14.8	17.4	31.9	34.2	40.0	34.6	28.3	23.7	22.1	20.5	27
28	14.8	14.7	14.8	17.6	31.5	34.7	41.2	34.3	28.0	23.6	22.2	20.5	28
29	14.9		14.9	18.4	31.0	35.1	40.9	34.0	27.5	23.4	21.8	20.5	29
30	14.7		14.9	18.4	30.9	35.3	40.5	34.0	27.3	23.4	21.7	20.5	30
31	14.7		14.9		30.9		40.4	34.9		23.4		20.4	31
TOTAL	449.2	412.0	464.0	460.1	859.3	986.1	1 192.8	1 156.5	934.2	782.6	676.0	652.0	TOTAL
MEAN	14.5	14.7	15.0	15.3	27.7	32.9	38.5	37.3	31.1	25.2	22.5	21.0	MEAN
MAX	15.1	15.0	15.3	18.4	32.5	35.3	41.2	41.1	35.3	27.3	24.0	21.6	MAX
MIN	14.1	14.5	14.6	14.4	18.6	30.5	36.0	34.0	27.3	23.4	21.6	20.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.7
MAXIMUM DAILY, 41.2 ON JUL 28
MINIMUM DAILY, 14.1 ON JAN 01
MAXIMUM INSTANTANEOUS,
41.3 AT 12:32 CST ON JUL 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 40 N
LONG 102 38 08 W
DRAINAGE AREA, 12 600 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 800	JUL	103 000
FEB	35 600	AUG	99 900
MAR	40 100	SEP	80 700
APR	39 800	OCT	67 600
MAY	74 200	NOV	58 400
JUN	85 200	DEC	56 300

TOTAL DISCHARGE, 780 000 dam³

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.1	16.2	17.1	17.2	17.3E	32.1	37.1	35.5	31.9	26.4	25.0	25.0	1
2	15.1	16.3	16.9	17.2	17.3A	31.8A	36.7	36.5	31.8	25.6	26.6	24.8	2
3	15.1	16.5	17.0	17.6	17.4	31.6A	36.7	36.4	32.4	26.7	26.1	24.9	3
4	15.0	16.4	16.9	17.5	17.4	31.6	36.9	34.9	31.3	27.1	25.0	25.0	4
5	15.0	16.3	16.9	17.3	17.3	32.3	36.2	34.9	31.7	26.3	26.2	25.1	5
6	15.2	16.4	17.0	17.2	17.7	32.6	35.9	34.9	31.4	26.0	25.7	25.1	6
7	15.3	16.4	17.1	17.2	18.1	32.5	36.4	35.4	30.4	25.2	24.8	24.9	7
8	15.2	16.4	17.0	17.1	18.6	32.5	37.1	36.0	31.6	24.7	25.3	25.2	8
9	15.1	16.4	17.2	17.2	18.9	32.8	37.1	34.8	30.2	24.1	26.0	25.1	9
10	15.3	16.4	17.4	17.1	19.5	32.4	36.7	34.3	29.5	24.9	26.1	24.9	10
11	15.3	16.6	17.6	17.1	19.9	33.5	36.8	34.4	30.4	27.5	25.1	24.9	11
12	15.3	17.2	17.6	17.0	20.4	34.1	36.7	33.7	28.8	25.1	24.5	24.9	12
13	15.4	16.9	17.6	17.0	21.2	35.4	36.9	35.3	29.4	25.7	24.3	24.7	13
14	15.4	16.9	17.3	17.0	21.4	34.4	37.6	34.5	29.5	26.0	24.2	24.7	14
15	15.3	16.9	17.6	17.2A	23.0	33.9	37.2	33.6	29.2	25.8	24.1	24.7	15
16	15.4	16.9	17.6	17.2E	23.7	34.1	36.8	33.6	28.2	26.1	24.1	24.8	16
17	15.4	16.9	17.6	17.2E	24.1	34.2	36.8	33.1	28.5	25.5	24.3	24.6	17
18	15.4	16.9	17.2	17.2E	24.7	34.7	36.5	32.2	29.1	24.2	24.2	24.6	18
19	15.4	17.0	17.2	17.2E	25.3	34.6	36.1	32.2	28.3	25.1	24.2	24.1	19
20	15.5	17.1	17.2	17.2E	26.1	34.7	35.4	32.1	28.2	25.2	24.3	24.0	20
21	15.6	17.0	17.3	17.2E	26.7	34.7	34.9	32.2	28.3	24.9	24.7	23.9	21
22	15.7	16.9	17.3	17.2E	27.1	34.2	34.9	32.5	28.0	24.5	24.9	23.7	22
23	15.8	17.1	17.4	17.2E	27.8	33.5	34.8	33.1	28.0	25.3	24.9	23.7	23
24	15.8	17.0	17.4	17.3E	28.3	34.1	35.2	33.3	28.4	24.7	24.8	23.6	24
25	15.9	17.2	17.4	17.3E	28.8	34.4	34.8	33.1	28.2	24.8	24.7	23.4	25
26	16.2	17.2	17.4	17.3E	28.9	34.6	34.6	32.2	28.9	26.0	24.8	23.2	26
27	16.2	17.1	17.4	17.3E	29.6	34.7	35.3	32.1	27.8	25.7	24.9	23.5	27
28	16.1	17.1	17.4	17.3E	29.6	34.7	38.1	32.0	27.1	25.8	25.0	23.6	28
29	16.4		17.3	17.3E	29.8	35.6	36.4	32.2	25.6	24.5	24.9	23.1	29
30	16.2		17.4	17.3E	30.3	35.9	35.3	32.1	26.3	24.3	25.1	23.1	30
31	16.2		17.4		30.8		35.2	34.2		24.3		23.0	31
TOTAL	481.3	469.6	536.0	516.6	728.0	1 011.8	1 123.1	1 047.4	878.7	786.0	748.8	753.8	TOTAL
MEAN	15.5	16.8	17.3	17.2	23.5	33.7	36.2	33.8	29.3	25.4	25.0	24.3	MEAN
MAX	16.4	17.2	17.6	17.6	30.8	35.9	38.1	36.5	32.4	27.5	26.6	25.2	MAX
MIN	15.0	16.2	16.9	17.0	17.3	31.6	34.6	32.0	25.9	23.8	24.1	23.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.9
MAXIMUM DAILY, 38.1 ON JUL 28
MINIMUM DAILY, 15.0 ON JAN 04
MAXIMUM INSTANTANEOUS,
44.2 AT 10:29 CST ON JUL 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 20 N
LONG 102 10 30 W
DRAINAGE AREA, 14 600 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	41 600	JUL	97 000
FEB	40 600	AUG	90 500
MAR	46 300	SEP	75 900
APR	44 600	OCT	67 900
MAY	62 900	NOV	64 700
JUN	87 400	DEC	65 100

TOTAL DISCHARGE, 785 000 dam³

REMARKS - THE MAXIMUM INSTANTANEOUS DISCHARGE WAS PARTLY DUE TO WIND EFFECT ON AMISK LAKE

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.572B	0.582B	0.465B	2.23B	18.7	5.27	5.84	2.10	0.580	0.192	0.419	0.482B	1
2	0.593B	0.557B	0.470B	2.11B	17.3	4.85	5.07	1.94	0.487	0.232	0.427	0.480B	2
3	0.621B	0.560B	0.475B	1.76B	16.7	4.42	4.77	1.66	0.468	0.239	0.461	0.470B	3
4	0.660B	0.565B	0.470B	6.41B	16.4	4.07	6.05	1.43	0.430	0.265	0.434	0.460B	4
5	0.628B	0.580B	0.465B	6.41B	16.9	3.66	7.71	1.24	0.376	0.296	0.413	0.435B	5
6	0.586B	0.575B	0.461B	6.47B	17.8	3.51	8.03	1.06	0.335	0.315	0.425	0.384B	6
7	0.591B	0.540B	0.460B	6.28B	18.0	4.17	7.88	0.944	0.284	0.313	0.441	0.377B	7
8	0.612B	0.520B	0.459B	6.50B	17.9	5.24	7.83	0.810	0.251	0.334	0.432	0.356B	8
9	0.606B	0.510B	0.465B	4.53B	17.9	5.94	7.72	0.664	0.230	0.349	0.403	0.342B	9
10	0.584B	0.508B	0.480B	3.14B	17.7	5.96	7.76	0.519	0.208	0.344	0.391	0.355B	10
11	0.582B	0.510B	0.490B	2.26B	17.2	6.04	6.90	0.450	0.185	0.374	0.447	0.360B	11
12	0.579B	0.508B	0.500B	1.76B	15.9	5.82	6.19	0.395	0.157	0.406	0.448	0.365B	12
13	0.540B	0.505B	0.495B	3.22B	14.4	5.42	5.55	0.344	0.138	0.404	0.423	0.367B	13
14	0.537B	0.490B	0.493B	3.69B	13.3	4.72	4.86	0.364	0.120	0.418	0.410	0.375B	14
15	0.580B	0.470B	0.490B	3.77B	12.3	4.07	4.12	0.401	0.104	0.441	0.410	0.380B	15
16	0.652B	0.450B	0.489B	3.66B	11.6	3.54	3.48	0.346	0.119	0.439	0.421	0.385B	16
17	0.700B	0.440B	0.480B	3.94B	11.4	3.07	3.08	0.346	0.113	0.434	0.457	0.381B	17
18	0.679B	0.430B	0.497B	7.15B	11.4	2.80	2.76	0.326	0.105	0.423	0.476	0.377B	18
19	0.647B	0.425B	0.493B	11.8 B	11.1	2.52	2.50	0.291	0.104	0.409	0.477	0.363B	19
20	0.615B	0.420B	0.527B	16.8 B	11.1	2.34	2.29	0.311	0.094	0.430	0.483	0.358B	20
21	0.586B	0.422B	0.572B	22.1 B	11.5	2.26	2.10	0.297	0.100	0.418	0.476	0.320B	21
22	0.588B	0.430B	0.605B	23.8	11.7	1.99	1.96	0.305	0.110	0.432	0.474B	0.272B	22
23	0.588B	0.450B	0.638B	27.6	11.0	1.86	1.81	0.370	0.097	0.429	0.470B	0.233B	23
24	0.586B	0.460B	0.605B	29.9	10.6	1.82	1.72	0.469	0.113	0.439	0.468B	0.289B	24
25	0.600B	0.455B	0.587B	32.2	10.5	1.67	1.59	0.684	0.116	0.438	0.472B	0.252B	25
26	0.618B	0.450B	0.622B	35.5	9.30	1.54	1.44	0.959	0.111	0.441	0.478B	0.245B	26
27	0.593B	0.445B	0.659B	36.3	8.69	1.50	1.46	0.944	0.119	0.438	0.480B	0.240B	27
28	0.591B	0.450B	0.659B	34.5	7.87	2.45	2.40	0.943	0.140	0.442	0.485B	0.230B	28
29	0.613B		0.759B	30.7	7.14	4.40	4.48	0.868	0.177	0.444	0.490B	0.225B	29
30	0.625B		1.23 B	23.9	6.42	5.24	3.14	0.740	0.172	0.434	0.485B	0.220B	30
31	0.590B		2.02 B		5.87		2.32	0.641		0.488		0.218B	31
TOTAL	18.542	13.707	18.560	402.39	405.59	112.16	134.81	23.161	6.143	11.920	13.475	10.596	TOTAL
MEAN	0.598	0.490	0.599	13.4	13.1	3.74	4.35	0.747	0.205	0.385	0.449	0.342	MEAN
MAX	0.700	0.582	2.02	36.3	18.7	6.04	8.03	2.10	0.580	0.488	0.490	0.482	MAX
MIN	0.513	0.420	0.459	1.76	5.87	1.50	1.44	0.291	0.094	0.192	0.391	0.218	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.21
MAXIMUM DAILY, 36.3 ON APR 27
MINIMUM DAILY, 0.094 ON SEP 20
MAXIMUM INSTANTANEOUS,
36.6 AT 05:14 CST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 59 52 N
LONG 102 04 26 W
DRAINAGE AREA, 1 920 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 600	JUL	11 600
FEB	1 180	AUG	2 000
MAR	1 600	SEP	531
APR	34 800	OCT	1 030
MAY	35 000	NOV	1 160
JUN	9 690	DEC	915

TOTAL DISCHARGE, 101 000 dam³

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05HD034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	1.76 B	0.901	0	2.62	0.251	1.91	0.192	0	---	---	1
2	---	0 B	2.38 B	0.528	0	2.64	0.252	1.66	0.191	0	---	---	2
3	---	0 B	2.65 B	1.22	0	2.76	0.227	0.894	0.189	0	---	---	3
4	---	0 B	2.81 B	0.976	0	2.77	0.224	0.876	0.151	0	---	---	4
5	---	0 B	2.77 B	0.168	0	2.75	0.225	0.517	0.099	0	---	---	5
6	---	0 B	3.26 B	0.039	0	2.76	0.230	0.216	0.098	0	---	---	6
7	---	0 B	3.76 B	0.040	0	2.70	0.227	0.228	0.083	0	---	---	7
8	---	0 B	3.66 B	0.040	0	2.67	0.222	0.183	0.086	0	---	---	8
9	---	0 B	2.29 B	0.040	0	2.62	0.221	0.176	0.091	0	---	---	9
10	---	0 B	1.46 B	0.037	0	2.60	0.217	0.175	0.093	0	---	---	10
11	---	0 B	1.88 B	0.038	0	2.61	0.218	0.183	0.096	0	---	---	11
12	---	0 B	1.57 B	0.037	0	2.60	0.211	0.191	0.095	0	---	---	12
13	---	0 B	0.306B	0.034	0	2.63	0.210	0.191	0.078	0	---	---	13
14	---	0 B	0.306B	0.032	0	2.69	0.213	0.191	0.018	0	---	---	14
15	---	0 B	0.306B	0.030	0	2.09	0.216	0.186	0.016	0	---	---	15
16	---	0 B	0.306B	0.027	0	0.267	0.260	0.191	0.014	0	---	---	16
17	---	0 B	0.770B	0.033	0	0.272	0.856	0.191	0.012	0	---	---	17
18	---	0 B	0.681B	0.016	0	0.218	1.88	0.191	0.011	0	---	---	18
19	---	0 B	0.317B	0.013	0	0.214	1.86	0.195	0.010	0	---	---	19
20	---	0 B	0.318B	0.011	0	0.207	2.05	0.193	0.010	0	---	---	20
21	---	0 B	0.325B	0.008	0	0.156	2.27	0.196	0.008	0	---	---	21
22	---	0 B	0.325B	0.004	0.119	0.066	2.33	0.198	0.008	0	---	---	22
23	---	0 B	0.325	0.001	1.09	0.030	2.30	0.195	0.006	0	---	---	23
24	---	0 B	0.321	0	2.20	0.090	2.13	0.198	0.005	0	---	---	24
25	---	0 B	0.330	0	1.92	0.137	1.83	0.201	0.004	0	---	---	25
26	---	0 B	0.333	0	2.29	0.138	2.10	0.201	0.002	0	---	---	26
27	---	0.127B	0.651	0	2.48	0.171	2.40	0.200	0.001	0	---	---	27
28	---	0.744B	0.795	0	2.44	0.223	2.22	0.196	0.001	0	---	---	28
29	---		1.09	0	2.41	0.254	1.93	0.199	0.001	0	---	---	29
30	---		1.54	0	2.44	0.253	1.93	0.200	0	0	---	---	30
31	---		1.65		2.60		1.91	0.195		0		---	31
TOTAL	---	0.871	41.245	4.273	19.989	42.206	33.620	10.917	1.669	0	---	---	TOTAL
MEAN	---	0.031	1.33	0.142	0.645	1.41	1.08	0.352	0.056	0	---	---	MEAN
MAX	---	0.744	3.76	1.22	2.60	2.77	2.40	1.91	0.192	0	---	---	MAX
MIN	---	0	0.306	0	0	0.030	0.210	0.175	0	0	---	---	MIN

SUMMARY FOR THE MONTHS FEB TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.567
MAXIMUM DAILY, 3.76B ON MAR 07
MINIMUM DAILY, 0B ON FEB 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 03 N
LONG 107 46 43 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 900
FEB	75.3	AUG	943
MAR	3 560	SEP	144
APR	369	OCT	0
MAY	1 730	NOV	---
JUN	3 650	DEC	---

TOTAL DISCHARGE, 13 400 dam³

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO. 05HD041

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.208	0.188	0.123	0.153	0.120	3.75	0.985	2.20	0.539	0.157	0.161	0.187	1
2	0.209	0.201	0.125	0.140	0.124	3.68	0.980	2.10	0.524	0.164	0.165	0.185	2
3	0.207	0.205	0.129	0.153	0.128	3.68	0.975	2.00	0.527	0.165	0.161	0.187	3
4	0.205	0.211	0.137	0.147	0.14:	3.67	0.970	1.80	0.507	0.165	0.156	0.180	4
5	0.204	0.219	0.137	0.152	0.134	3.64	0.965	1.60	0.504	0.168	0.167	0.161	5
6	0.210	0.217	0.136	0.163	0.132	3.60	0.960	0.968	0.500	0.169	0.167	0.155	6
7	0.210	0.213	0.138	0.164	0.136	3.58	0.955	1.05	0.479	0.166	0.167	0.152	7
8	0.207	0.214B	0.130	0.162	0.142	3.58	0.950	1.07	0.458	0.164	0.159	0.145	8
9	0.208	0.212	0.140	0.166	0.132	3.56	0.945	0.992	0.463	0.164	0.160	0.145	9
10	0.219B	0.212	0.141	0.164	0.142	3.55	0.940	0.956	0.446	0.167	0.158	0.146	10
11	0.209B	0.219	0.152	0.164	0.133	3.56	0.935	0.961	0.421	0.166	0.155	0.146	11
12	0.191	0.214B	0.168	0.175	0.142	3.55	0.930	0.971	0.578	0.163	0.151	0.153	12
13	0.190	0.220	0.156	0.172	0.138	3.57	0.925	1.00	2.59	0.164	0.148	0.150	13
14	0.186	0.220	0.145	0.176	0.141	3.55	0.920	0.976	0.762	0.168	0.143	0.158	14
15	0.194	0.209	0.167	0.181	0.151	2.28	0.920	0.981	0.721	0.168	0.149	0.154	15
16	0.198	0.210	0.159	0.178	0.139	0.445	1.71	1.03	0.680	0.167	0.149	0.152	16
17	0.207	0.217	0.153	0.161	0.140	0.442	1.71	0.925	0.683	0.166	0.145	0.153	17
18	0.208	0.217	0.145	0.139	0.138	0.438	1.70	0.860	0.666	0.166	0.147	0.136B	18
19	0.203	0.215	0.144	0.150	0.137	0.436	2.18	0.923	0.641	0.173	0.141	0.126B	19
20	0.203	0.215	0.169	0.150	0.137	0.430	3.20	0.949	0.641	0.171	0.139	0.100B	20
21	0.202	0.220	0.184	0.146	0.139	0.425	3.19	0.897	0.621	0.167	0.144	0.092B	21
22	0.192	0.220	0.188	0.141	1.70	0.420	3.18	0.800	0.606	0.164	0.153	0.118B	22
23	0.192	0.226	0.168	0.141	2.94	0.500	2.70	0.791	0.570	0.167	0.155	0.133B	23
24	0.197	0.215	0.156	0.143	2.93	0.600	2.24	0.824	0.425	0.161	0.169	0.136B	24
25	0.196	0.221	0.136	0.142	3.41	0.750	2.98	0.805	0.162	0.160	0.176	0.131B	25
26	0.186	0.229	0.128	0.136	3.79	1.01	3.42	0.794	0.158	0.168	0.176	0.130B	26
27	0.173	0.218	0.132	0.136	3.78	1.01	2.91	0.792	0.159	0.162	0.192	0.142B	27
28	0.170	0.173	0.134	0.142	3.78	1.00	2.60	0.739	0.159	0.163	0.216	0.526B	28
29	0.174B		0.136	0.156	3.77	0.995	2.55	0.610	0.158	0.165	0.210	0.572B	29
30	0.168		0.143	0.134	3.81	0.990	2.50	0.561	0.157	0.165	0.187	0.545B	30
31	0.173		0.155		3.78		2.45	0.528		0.164		0.517B	31
TOTAL	6.099	5.970	4.554	4.627	36.556	62.691	55.475	32.453	16.505	5.127	4.866	6.110	TOTA
MEAN	0.197	0.213	0.147	0.154	1.18	2.09	1.79	1.05	0.550	0.165	0.162	0.197	MEAN
MAX	0.219	0.229	0.188	0.181	3.81	3.75	3.42	2.20	2.59	0.173	0.216	0.572	MAX
MIN	0.168	0.173	0.123	0.134	0.120	0.420	0.920	0.528	0.157	0.157	0.139	0.092	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.660
MAXIMUM DAILY, 3.81 ON MAY 30
MINIMUM DAILY, 0.092B ON DEC 21
MAXIMUM INSTANTANEOUS,
9.33 AT 15:53 CST ON SEP 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 51 N
LONG 108 02 40 W
DRAINAGE AREA, 2 470 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	527	JUL	4 790
FEB	516	AUG	2 800
MAR	393	SEP	1 430
APR	400	OCT	443
MAY	3 160	NOV	420
JUN	5 420	DEC	528

TOTAL DISCHARGE, 20 800 dam³

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05HD036

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.306B	0.205B	1.28B	2.78 B	0.945	0.458	0.140	0.175	0.054	0.001E	0.172	0.186	1
2	0.292B	0.202B	1.63B	2.42 B	1.02	0.438	0.139	0.169	0.048	0.001E	0.178	0.187	2
3	0.275B	0.188B	2.37B	2.27 B	1.13	0.437	0.137	0.166	0.039	0.001E	0.176	0.193	3
4	0.259B	0.184B	3.22B	2.11	1.07	0.425	0.131	0.160	0.037	0.001	0.175	0.182	4
5	0.257B	0.182B	3.76B	1.80	1.04	0.415	0.131	0.174	0.027	0.001E	0.195	0.188	5
6	0.259B	0.178B	4.26B	1.52	1.03	0.408	0.138	0.171	0.022	0.001E	0.180	0.190	6
7	0.267B	0.176B	4.86B	1.31	0.930	0.401	0.135	0.156	0.018	0.001E	0.185	0.203	7
8	0.283B	0.177B	4.68B	1.12	0.868	0.370	0.135	0.149	0.014E	0.001E	0.181	0.212	8
9	0.280B	0.175B	3.52B	0.988	0.838	0.356	0.135	0.141	0.013E	0.001E	0.201	0.228	9
10	0.310B	0.179B	3.17B	0.807	0.819	0.337	0.145	0.130	0.012E	0.001E	0.203	0.238	10
11	0.316B	0.188B	3.01B	0.769	0.812	0.311	0.755	0.121	0.011E	0.001E	0.206	0.251	11
12	0.319B	0.218B	2.40B	1.02	0.776	0.281	0.480	0.115	0.010E	0.002	0.210	0.262	12
13	0.285B	0.215B	1.05B	1.24	0.748	0.287	0.269	0.101	0.009E	0.032	0.217	0.228	13
14	0.270B	0.238B	1.16B	0.975	0.746	0.337	0.223	0.090	0.008E	0.044	0.249	0.204	14
15	0.263B	0.189B	1.51B	0.830	0.741	0.331	0.190	0.078	0.007E	0.042	0.227	0.212	15
16	0.260B	0.166B	1.56B	0.850	0.753	0.336	0.165	0.067	0.006E	0.119	0.265	0.216	16
17	0.249B	0.161B	1.68B	0.824	0.747	0.310	0.146	0.040	0.005E	0.129	0.247	0.211	17
18	0.231B	0.170B	1.40B	0.792	0.778	0.291	0.140	0.033	0.004E	0.145	0.251	0.195B	18
19	0.213B	0.166B	1.40B	0.792	0.987	0.289	0.143	0.038	0.003E	0.157	0.233	0.180B	19
20	0.199B	0.155B	1.66B	0.820	1.09	0.280	0.146	0.039	0.003E	0.159	0.215	0.176B	20
21	0.198B	0.156B	2.02B	0.825	0.996	0.257	0.147	0.043	0.002E	0.167	0.211	0.145B	21
22	0.202B	0.267B	1.99B	0.819	0.905	0.236	0.138	0.039	0.002E	0.158	0.205	0.116B	22
23	0.203B	0.319B	1.95B	0.839	0.875	0.217	0.133	0.042	0.002E	0.172	0.183	0.099B	23
24	0.205B	0.758B	1.87B	0.828	0.830	0.203	0.149	0.066	0.001E	0.177	0.173	0.081B	24
25	0.204B	1.10 B	2.36B	0.819	0.777	0.191	0.147	0.073	0.001E	0.178	0.178	0.067B	25
26	0.210B	1.84 B	2.05B	0.793	0.762	0.178	0.156	0.072	0.001E	0.171	0.171	0.054B	26
27	0.203B	1.16 B	1.89B	0.792	0.756	0.168	0.152	0.068	0.001	0.171	0.173	0.044B	27
28	0.206B	1.30 B	2.37B	0.798	0.750	0.160	0.154	0.056	0.001E	0.171	0.175	0.038B	28
29	0.215B		2.67B	0.778	0.700	0.154	0.176	0.050	0.001E	0.175	0.173	0.030B	29
30	0.228B		2.97B	0.677	0.600	0.147	0.188	0.054	0.001E	0.171	0.179	0.026B	30
31	0.220B		2.91B		0.487		0.185	0.053		0.172		0.021B	31
TOTAL	7.687	11.212	74.63	33.805	26.306	9.009	5.748	2.929	0.363	2.723	5.989	4.863	TOT
MEAN	0.248	0.400	2.41	1.13	0.849	0.300	0.185	0.095	0.012	0.088	0.200	0.157	MEA
MAX	0.319	1.84	4.86	2.78	1.13	0.458	0.755	0.175	0.054	0.178	0.265	0.262	MAX
MIN	0.198	0.155	1.05	0.677	0.487	0.147	0.131	0.033	0.001	0.001	0.171	0.021	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.508
MAXIMUM DAILY, 4.86B ON MAR 07
MINIMUM DAILY, 0.001E ON SEP 24
MAXIMUM INSTANTANEOUS,
5.83B AT 00:11 CST ON MAR 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 39 N
LONG 108 28 46 W
DRAINAGE AREA, 1 430 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	664	JUL	497
FEB	969	AUG	253
MAR	6 450	SEP	31.4
APR	2 920	OCT	235
MAY	2 270	NOV	517
JUN	778	DEC	420

TOTAL DISCHARGE, 16 000 dam³

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD039

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.172B	0.208B	1.13 B	0.512B	0.548	0.680	0.176	0.681	0.623	0.347	0.208	0.214B	1
2	0.204B	0.200B	2.36 B	0.550B	0.689	0.595	0.169	0.672	0.567	0.394	0.215	0.221B	2
3	0.141B	0.201B	3.14 B	0.540B	0.779	0.662	0.596	0.549	0.477	0.433	0.224B	0.182B	3
4	0.139B	0.211B	3.35 B	0.543B	0.841	0.531	0.322	0.601	0.498	0.423	0.234B	0.137B	4
5	0.164B	0.208B	2.72 B	0.459B	0.705	0.656	0.338	0.533	0.502	0.429	0.227B	0.119B	5
6	0.188B	0.203B	3.49 B	0.481B	0.600	0.720	0.678	0.660	0.439	0.381	0.236B	0.143B	6
7	0.259B	0.203B	3.50 B	0.468B	0.529	0.588	1.34	0.555	0.388	0.344	0.248B	0.153B	7
8	0.270B	0.198B	3.83 B	0.403B	0.504	0.572	0.934	0.479	0.352	0.319	0.231B	0.150B	8
9	0.337B	0.189B	2.67 B	0.353B	0.453	0.536	0.828	0.478	0.344	0.280	0.238B	0.165B	9
10	0.483B	0.180B	2.39 B	0.467B	0.427	0.439	2.21	0.422	0.326	0.255	0.246B	0.166B	10
11	0.587B	0.189B	1.46 B	0.533B	0.456	0.404	1.41	0.435	0.299	0.238	0.241B	0.168B	11
12	0.573B	0.215B	0.786B	0.526B	0.490	0.375	0.899	0.398	0.284	0.263	0.234B	0.162B	12
13	0.506B	0.182B	0.894B	0.514B	0.486	0.658	0.897	0.523	0.266	0.277	0.267B	0.165B	13
14	0.462B	0.158B	0.988B	0.467	0.455	0.797	0.686	0.471	0.253	0.268	0.246B	0.169B	14
15	0.424B	0.157B	0.839B	0.448	0.580	0.636	0.637	0.447	0.251	0.282	0.233B	0.205B	15
16	0.570B	0.155B	0.830B	0.463	0.594	0.625	0.633	0.386	0.242	0.269	0.255B	0.214B	16
17	0.617B	0.162B	0.825B	0.465	0.742	0.660	0.609	0.366	0.229	0.259	0.266B	0.213B	17
18	0.488B	0.164B	0.823B	0.452	0.769	0.605	0.611	0.388	0.219	0.247	0.234B	0.214B	18
19	0.496B	0.169B	0.821B	0.455	0.635	0.505	0.593	0.397	0.214	0.230	0.228B	0.198B	19
20	0.727B	0.198B	0.819B	0.450	0.622	0.395	0.569	0.473	0.454	0.221	0.256B	0.180B	20
21	0.836B	0.238B	0.802B	0.428	0.579	0.359	0.495	0.487	0.432	0.218	0.212B	0.185B	21
22	0.764B	0.240B	0.799B	0.403	0.473	0.361	0.482	0.389	0.371	0.220	0.292B	0.158B	22
23	0.449B	0.332B	0.619B	0.400	0.414	0.338	0.657	0.386	0.328	0.221	0.254B	0.156B	23
24	0.278B	0.365B	0.601B	0.411	0.360	0.344	0.678	0.515	0.302	0.227	0.282B	0.094B	24
25	0.247B	0.403B	0.497B	0.374	0.310	0.324	0.691	0.554	0.295	0.218	0.294B	0.092B	25
26	0.265B	0.429B	0.733B	0.370	0.257	0.314	0.675	0.531	0.294	0.214	0.300B	0.101B	26
27	0.291B	0.197B	0.827B	0.401	0.271	0.276	0.705	0.507	0.302	0.212	0.293B	0.086B	27
28	0.229B	0.389B	0.720B	0.402	0.767	0.227	0.898	0.473	0.340	0.222	0.259B	0.088B	28
29	0.235B		0.658B	0.400B	0.539	0.206	1.11	0.460	0.353	0.221	0.254B	0.068B	29
30	0.222B		0.555B	0.388B	0.553	0.182	1.06	0.502	0.345	0.208	0.249B	0.060B	30
31	0.204B		0.570B		0.736		0.898	0.641		0.213		0.050B	31
TOTAL	11.827	6.343	45.046	13.526	17.163	14.520	23.484	15.559	10.589	8.553	7.456	4.676	TOTAL
MEAN	0.382	0.227	1.45	0.451	0.554	0.484	0.758	0.502	0.353	0.276	0.249	0.151	MEAN
MAX	0.836	0.429	3.83	0.550	0.841	0.797	2.21	0.681	0.623	0.433	0.300	0.221	MAX
MIN	0.139	0.155	0.497	0.353	0.257	0.182	0.169	0.366	0.214	0.208	0.208	0.050	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.490
MAXIMUM DAILY, 3.83B ON MAR 08
MINIMUM DAILY, 0.050B ON DEC 31
MAXIMUM INSTANTANEOUS,
4.22B AT 17:25 CST ON MAR 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 29 38 N
LONG 107 39 31 W
DRAINAGE AREA, 3 730 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 020	JUL	2 030
FEB	548	AUG	1 340
MAR	3 890	SEP	915
APR	1 170	OCT	739
MAY	1 480	NOV	644
JUN	1 250	DEC	404

TOTAL DISCHARGE, 15 400 dam³

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0	0	0	0.059	0.001	0	---	---	1
2	---	---	0B	0 B	0	0	0.042A	0.048	0	0	---	---	2
3	---	---	0B	0 B	0	0	0.565	0.033	0	0	---	---	3
4	---	---	0B	0 B	0	0	0.206	0.024	0	0	---	---	4
5	---	---	0B	0 B	0	0	0.110	0.020	0	0	---	---	5
6	---	---	0B	0 B	0	0	0.077	0.015	0	0	---	---	6
7	---	---	0B	0 B	0	0	0.076	0.015	0	0	---	---	7
8	---	---	0B	0 B	0	0	0.073	0.018	0	0	---	---	8
9	---	---	0B	0 B	0	0	0.061	0.016	0	0	---	---	9
10	---	---	0B	0 B	0	0	0.051	0.013	0	0	---	---	10
11	---	---	0B	0 B	0	0	0.048	0.009	0	0	---	---	11
12	---	---	0B	0.010B	0	0	0.041	0.006	0	0	---	---	12
13	---	---	0B	0.024B	0	0	0.028	0.004	0	0	---	---	13
14	---	---	0B	0.020B	0	0	0.022	0.003	0	0	---	---	14
15	---	---	0B	0.015	0	0	0.017	0.001	0	0	---	---	15
16	---	---	0B	0.013	0	0	0.014	0.001	0	0	---	---	16
17	---	---	0B	0.010	0	0	0.012	0.001	0	0	---	---	17
18	---	---	0B	0.008	0	0	0.008	0.004	0	0	---	---	18
19	---	---	0B	0.005	0	0	0.008	0.003	0	0	---	---	19
20	---	---	0B	0.003	0	0	0.006	0.003	0	0	---	---	20
21	---	---	0B	0.002	0	0	0.005	0.003	0	0	---	---	21
22	---	---	0B	0.002	0	0	0.003	0.003	0	0	---	---	22
23	---	---	0B	0.002	0	0	0.002	0.002	0	0	---	---	23
24	---	---	0B	0.001	0	0	0.002	0.002	0	0	---	---	24
25	---	---	0B	0.001	0	0	0.002	0.002	0	0	---	---	25
26	---	---	0B	0	0	0	0.016	0.002	0	0	---	---	26
27	---	---	0B	0	0	0	0.030	0.002	0	0	---	---	27
28	---	---	0B	0	0	0	0.021	0.002	0	0	---	---	28
29	---	---	0B	0	0	0	0.020	0.001	0	0	---	---	29
30	---		0B	0	0	0	0.057	0.001	0	0	---	---	30
31	---		0B		0		0.067	0.001		0		---	31
TOTAL	---	---	0	0.116	0	0	1.690	0.317	0.001	0	---	---	TOTAL
MEAN	---	---	0	0.004	0	0	0.055	0.010	0	0	---	---	MEAN
MAX	---	---	0	0.024	0	0	0.565	0.059	0.001	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0.001	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.009
MAXIMUM DAILY, 0.565 ON JUL 03
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.861 AT 04:15 CST ON JUL 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 58 N
LONG 103 56 50 W
DRAINAGE AREA, 240 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	146
FEB	---	AUG	27.4
MAR	0	SEP	0.086
APR	10.0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 183 dam³

TAZIN LAKE NEAR OUTLET - STATION NO. 07QC002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.329	4.255	4.127	3.959	3.789	3.880	3.996	4.048	4.038	4.113	4.187	4.272	1
2	4.324	4.255	4.123	3.956	3.785	3.888	3.997	4.036	4.041	4.107	4.187	4.270	2
3	4.320	4.250	4.119	3.944	3.788	3.894	4.000	4.038	4.034	4.108	4.189	4.271	3
4	4.321	4.247	4.115	3.939	3.780	3.900	3.999	4.048	4.039	4.115	4.192	4.287	4
5	4.320	4.248	4.112	3.934	3.789	3.899	4.000	4.049	4.042	4.118	4.195	4.278	5
6	4.312	4.248	4.112	3.922	3.785	3.904	4.008	4.050	4.039	4.120	4.199	4.277	6
7	4.315	4.246	4.106	3.916	3.789	3.911	4.015	4.038	4.034	4.125	4.206	4.287	7
8	4.316	4.237	4.094	3.904	3.795	3.925	4.016	4.038	4.035	4.128	4.202	4.285	8
9	4.316	4.230	4.091	3.896	3.798	3.935	4.021	4.039	4.035	4.135	4.206	4.294	9
10	4.313	4.226	4.087	3.893	3.795	3.942	4.026	4.039	4.042	4.134	4.209	4.293	10
11	4.309	4.217	4.082	3.890	3.800	3.933	4.025	4.041	4.045	4.136	4.212	4.294	11
12	4.300	4.210	4.079	3.879	3.806	3.942	4.027	4.041	4.032	4.115	4.208	4.295	12
13	4.303	4.210	4.076	3.873	3.812	3.946	4.025	4.038	4.046	4.121	4.215	4.297	13
14	4.303	4.205	4.071	3.867	3.816	3.949	4.016	4.030	4.047	4.142	4.230	4.296	14
15	4.300	4.201	4.069	3.861	3.816	3.951	4.015	4.026	4.052	4.143	4.233	4.294	15
16	4.296	4.196	4.057	3.856	3.821	3.956	4.022	4.025	4.056	4.144	4.243	4.295	16
17	4.294	4.193	4.048	3.854	3.824	3.961	4.020	4.022	4.048	4.148	4.246	4.294	17
18	4.296	4.185	4.047	3.848	3.826	3.969	4.022	4.025	4.049	4.141	4.247	4.288	18
19	4.293	4.185	4.035	3.844	3.832	3.973	4.028	4.021	4.052	4.154	4.247	4.287	19
20	4.293	4.181	4.027	3.838	3.838	3.975	4.035	4.020	4.063	4.162	4.247	4.287	20
21	4.291	4.171	4.019	3.837	3.843	3.982	4.036	4.021	4.066	4.165	4.253	4.287	21
22	4.293	4.164	4.011	3.836	3.853	3.984	4.039	4.014	4.071	4.155	4.258	4.292	22
23	4.287	4.155	4.010	3.829	3.861	3.988	4.037	4.014	4.077	4.177	4.258	4.296	23
24	4.283	4.153	4.000	3.825	3.860	3.989	4.036	4.027	4.079	4.180	4.262	4.282	24
25	4.280	4.149	3.997	3.816	3.859	3.989	4.039	4.026	4.075	4.185	4.261	4.282	25
26	4.278	4.144	3.988	3.811	3.861	3.992	4.046	4.028	4.081	4.176	4.261	4.283	26
27	4.276	4.143	3.984	3.810	3.863	3.992	4.049	4.034	4.099	4.180	4.262	4.282	27
28	4.269	4.138	3.986	3.806	3.868	3.994	4.037	4.038	4.107	4.159	4.266	4.283	28
29	4.261		3.984	3.804	3.875	3.995	4.040	4.040	4.111	4.176	4.271	4.283	29
30	4.256		3.973	3.790	3.880	3.995	4.048	4.033	4.112	4.173	4.274	4.283	30
31	4.256		3.965		3.883		4.048	4.035		4.180		4.283	31
MEAN	4.297	4.201	4.051	3.868	3.825	3.951	4.025	4.033	4.058	4.146	4.231	4.286	MEAN
MAX	4.329	4.255	4.127	3.959	3.883	3.995	4.049	4.050	4.112	4.185	4.274	4.297	MAX
MIN	4.256	4.138	3.965	3.790	3.780	3.880	3.996	4.014	4.032	4.107	4.187	4.270	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 4.081
MAXIMUM DAILY, 4.329 ON JAN 01
MINIMUM DAILY, 3.780 ON MAY 04
MAXIMUM INSTANTANEOUS,
4.332 AT 14:46 CST ON JAN 01

WATER LEVELS ARE REFERRED TO ASSUMED DATUM NO. 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 49 10 N
LONG 109 24 30 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
9 560 km²

TAZIN RIVER ABOVE TAZIN LAKE - STATION NO. 07QC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.60B	4.20B	3.60B	3.39B	6.50B	13.5E	14.9	12.5	10.5	10.8	9.64B	7.80B	1
2	6.51B	4.18B	3.59B	3.39B	6.90B	13.5E	15.6	12.2	10.6	10.7	9.33B	7.73B	2
3	6.42B	4.12B	3.58B	3.38B	7.60B	13.6E	16.3	12.1	10.8	10.5	8.97B	7.81B	3
4	6.33B	4.32B	3.57B	3.38B	8.20B	13.8E	16.5	12.1	10.9	10.4	8.98B	7.82B	4
5	6.24B	4.16B	3.56B	3.37B	8.90B	13.9E	16.4	11.9	11.0	10.3	9.12B	7.57B	5
6	6.15B	4.41B	3.56B	3.37B	9.50B	14.0E	16.5	11.7	11.0	10.1	9.25B	7.45B	6
7	6.06B	4.20B	3.55B	3.36B	10.3 B	14.0E	16.3	11.7	11.1	10.1	9.34B	7.39B	7
8	5.97B	4.14B	3.55B	3.36B	11.0 E	13.8E	15.9	11.5	11.2	10.0	9.20B	7.78B	8
9	5.88B	3.81B	3.54B	3.35B	11.9 E	13.5E	15.6	11.2	11.2	10.1	9.17B	7.86B	9
10	5.79B	3.87B	3.54B	3.35B	12.5 E	13.2E	15.3	10.9	11.3	10.1	9.01B	7.65B	10
11	5.70B	3.74B	3.54B	3.36B	13.1 E	13.0E	15.1	10.6	11.4	9.92	9.12B	7.69B	11
12	5.61B	3.70B	3.53B	3.37B	13.9 E	12.9A	14.8	10.7	11.4	9.87	9.29B	7.50B	12
13	5.52B	3.80B	3.52B	3.39B	14.4 E	12.6	14.5	10.6	11.3	9.78	9.32B	7.58B	13
14	5.43B	4.01B	3.51B	3.40B	14.9 E	12.3	14.4	10.3	11.3	9.77	9.27B	7.64B	14
15	5.34B	3.83B	3.50B	3.44B	15.2 E	12.1	14.3	10.0	11.4	9.74	9.06B	7.92B	15
16	5.25B	3.65B	3.50B	3.50B	15.6 E	11.9	14.3	9.85	11.4	9.71	9.18B	8.07B	16
17	5.18B	3.80B	3.50B	3.56B	15.9 E	11.8	14.2	9.70	11.4	9.67	8.85B	7.95B	17
18	5.03B	3.74B	3.50B	3.65B	16.0 E	12.1	14.2	9.51	11.3	9.62	8.62B	8.08B	18
19	4.50B	3.76B	3.49B	3.75B	16.0 E	12.4	14.3	9.37	11.3	9.71	8.67B	7.64B	19
20	4.55B	3.56B	3.49B	3.90B	15.9 E	12.8	14.4	9.26	11.3	9.84	8.72B	7.29B	20
21	4.58B	3.86B	3.49B	4.05B	15.6 E	13.4	14.5	9.15	11.3	9.93	8.51B	7.37B	21
22	4.63B	3.85B	3.49B	4.18B	15.2 E	14.3	14.6	9.25	11.3	9.98	8.44B	7.14B	22
23	4.63B	3.76B	3.48B	4.35B	15.0 E	14.7	14.7	9.73	11.3	9.96	8.43B	6.83B	23
24	4.53B	3.69B	3.47B	4.55B	14.6 A	14.7	14.4	9.96	11.2	10.0	8.59B	6.69B	24
25	4.27B	3.65B	3.46B	4.70B	14.5	14.5	14.2	10.1	11.1	10.0	8.53B	6.83B	25
26	4.33B	3.68B	3.45B	4.95B	14.2 A	14.4	14.0	10.2	11.1	9.93	8.56B	7.10B	26
27	4.10B	3.80B	3.44B	5.10B	14.0 E	14.1	13.8	10.3	11.1	9.82B	8.57B	6.68B	27
28	3.86B	3.62B	3.43B	5.40B	13.9 E	14.3	13.6	10.3	11.1	9.77B	8.33B	6.66B	28
29	4.13B		3.42B	5.80B	13.7 E	14.2	13.2	10.5	11.0	9.96B	8.33B	6.41B	29
30	4.13B		3.41B	6.10B	13.6 E	14.3	13.1	10.6	10.9	9.54B	7.70B	6.91B	30
31	4.20B		3.40B		13.5 E		12.9	10.6		9.78B		7.00B	31
TOTAL	161.45	108.91	108.66	118.20	402.00	403.6	456.8	328.38	334.5	309.40	266.10	229.84	TOTAL
MEAN	5.21	3.89	3.51	3.94	13.0	13.5	14.7	10.6	11.2	9.98	8.87	7.41	MEAN
MAX	6.60	4.41	3.60	6.10	16.0	14.7	16.5	12.5	11.4	10.8	9.64	8.08	MAX
MIN	3.86	3.56	3.40	3.35	6.50	11.8	12.9	9.15	10.5	9.54	7.70	6.41	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.84
MAXIMUM DAILY, 16.5 ON JUL 04
MINIMUM DAILY, 3.35B ON APR 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 47 34 N
LONG 108 19 00 W
DRAINAGE AREA, 2 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	13 900	JUL	39 500
FEB	9 410	AUG	28 400
MAR	9 390	SEP	28 900
APR	10 200	OCT	26 700
MAY	34 700	NOV	23 000
JUN	34 900	DEC	19 900

TOTAL DISCHARGE, 279 000 dam³

THEODORE RESERVOIR NEAR THEODORE - STATION NO. 05MB009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	497.605	497.903	497.779	497.743	497.714	497.653	497.588	497.084A	---	1
2	---	---	---	497.617	497.892	497.770	497.736	497.712	497.652	497.588	---	---	2
3	---	---	---	497.685	497.881	497.765	497.748	497.708	497.652	497.599	---	---	3
4	---	---	---	497.821	497.877	497.757	497.746	497.701	497.648	497.595	---	---	4
5	---	---	---	497.959	497.883	497.769	497.740	497.697	497.646	497.585	---	---	5
6	---	---	---	497.996	497.877	497.768	497.746	497.694	497.645	497.587	---	---	6
7	---	---	---	498.010	497.870	497.770	497.750	497.690	497.640	497.579	---	---	7
8	---	---	---	497.998	497.866	497.769	497.758	497.689	497.640	497.577	---	---	8
9	---	---	497.485A	497.962	497.857	497.768	497.757	497.682	497.637	497.576	---	---	9
10	---	---	---	497.968	497.850	497.763	497.753	497.677	497.634	497.576	---	---	10
11	---	---	---	497.985	497.852	497.767	497.754	497.678	497.633	497.563	---	---	11
12	---	---	---	497.993	497.843	497.760	497.749	497.677	497.623	497.513	---	---	12
13	---	---	---	498.036	497.836	497.762	497.744	497.675	497.624	497.492	---	---	13
14	---	---	---	498.046	497.827	497.757	497.746	497.669	497.619	497.471	---	---	14
15	---	---	---	498.023	497.819	497.750	497.741	497.671	497.616	497.447	---	---	15
16	---	---	---	497.997	497.833	497.747	497.735	497.670	497.606	497.420	---	---	16
17	---	---	---	497.977	497.825	497.753	497.737	497.668	497.607	497.395	---	---	17
18	---	---	---	497.973	497.816	497.756	497.734	497.665	497.606	497.358	---	---	18
19	---	---	---	497.987	497.814	497.758	497.730	497.664	497.602	497.340	---	---	19
20	---	---	497.580A	497.992	497.817	497.763	497.726	497.663	497.604	497.317	---	---	20
21	---	---	497.586	498.005	497.818	497.762	497.722	497.661	497.604	497.290	---	---	21
22	---	---	497.586	498.009	497.821	497.753	497.722	497.662	497.607	497.267	---	---	22
23	---	---	497.586	498.008	497.815	497.747	497.722	497.663	497.606	497.243	---	---	23
24	---	---	497.597	497.992	497.810	497.750	497.720	497.665	497.602	497.212	---	---	24
25	---	---	497.587	497.979	497.805	497.753	497.716	497.667	497.598	497.190	---	---	25
26	---	---	497.588	497.972	497.798	497.752	497.713	497.666	497.598	497.171	---	---	26
27	---	---	497.590	497.957	497.792	497.746	497.731	497.671	497.592	497.144	---	---	27
28	---	497.363A	497.589	497.944	497.787	497.749	497.736	497.668	497.596	497.115	---	---	28
29	---		497.592	497.931	497.781	497.749	497.731	497.665	497.591	497.097	---	---	29
30	---		497.596	497.918	497.780	497.742	497.725	497.660	497.593	497.075A	---	---	30
31	---		497.603		497.779		497.716	497.660		497.066E		---	31
MEAN	---	---	---	497.945	497.833	497.758	497.736	497.677	497.619	497.388	---	---	MEAN
MAX	---	---	---	498.046	497.903	497.779	497.758	497.714	497.653	497.599	---	---	MAX
MIN	---	---	---	497.605	497.779	497.742	497.713	497.660	497.591	497.066	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 498.046 ON APR 14

MAXIMUM INSTANTANEOUS,
498.052 AT 23:22 CST ON APR 13

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 32 N
LONG 102 50 20 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
2 440 km²

THUNDER CREEK NEAR DARMODY - STATION NO. 05JG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0 B	0.033B	0	0	0	0	0.005	0	0	---	---	1
2	---	0 B	0.039B	0	0	0	0	0.003	0	0	---	---	2
3	---	0 B	0.054B	0	0	0	0	0.001	0	0	---	---	3
4	---	0 B	0.054B	0	0	0	0	0	0	0	---	---	4
5	---	0 B	0.044B	0	0	0	0	0	0	0	---	---	5
6	---	0 B	0.041B	0	0	0	0	0	0	0	---	---	6
7	---	0 B	0.032B	0	0	0	0	0	0	0	---	---	7
8	---	0 B	0.020B	0	0	0	0	0	0	0	---	---	8
9	---	0 B	0.011B	0	0	0	0	0	0	0	---	---	9
10	---	0 B	0.006B	0	0	0.009	0	0	0	0	---	---	10
11	---	0 B	0.004B	0	0	0.012	0	0	0	0	---	---	11
12	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	12
13	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	13
14	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	14
15	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	15
16	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	16
17	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	17
18	---	0 B	0 B	0	0	0	0	0	0	0	---	---	18
19	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	19
20	---	0 B	0.002B	0	0	0	0	0	0	0	---	---	20
21	---	0 B	0.001B	0	0	0	0	0	0	0	---	---	21
22	---	0 B	0 B	0	0	0	0	0	0	0	---	---	22
23	---	0 B	0 B	0	0	0	0	0	0	0	---	---	23
24	---	0 B	0 B	0	0	0	0	0	0	0	---	---	24
25	---	0 B	0 B	0	0	0	0	0	0	0	---	---	25
26	---	0 B	0 B	0	0	0	0	0	0	0	---	---	26
27	---	0.003B	0 B	0	0	0	0.116	0	0	0	---	---	27
28	---	0.024B	0 B	0	0	0	0.290	0	0	0	---	---	28
29	---		0 B	0	0	0	0.058	0	0	0	---	---	29
30	---		0	0	0	0	0.021	0	0	0	---	---	30
31	---		0		0		0.010	0		0		---	31
TOTAL	---	0.027	0.351	0	0	0.021	0.495	0.009	0	0	---	---	TOTAL
MEAN	---	0.001	0.011	0	0	0.001	0.016	0	0	0	---	---	MEAN
MAX	---	0.024	0.054	0	0	0.012	0.290	0.005	0	0	---	---	MAX
MIN	---	0	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.290 ON JUL 28
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
0.461 AT 02:26 CST ON JUL 28

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 39 33 N
LONG 106 16 45 W
DRAINAGE AREA, 988 km²

B - ICE CONDITIONS

REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	42.8
FEB	2.33	AUG	0.778
MAR	30.3	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 78.0 dam³

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.18	4.44B	3.69	3.08	3.77	25.5	25.9	13.1	11.2	8.17	9.55	8.70	1
2	5.11	4.39B	3.64	3.06	3.79	24.3	26.2	13.2	11.2	8.14	9.53	8.61	2
3	5.01	4.36B	3.64	3.08	3.85	23.5	26.0	13.4	11.2	8.70	9.52	8.52	3
4	4.96	4.33	3.62	3.06	3.91	22.8	25.4	13.2	10.9	8.69	9.43	8.49	4
5	4.93	4.30	3.60	3.04	4.04	22.2	24.7	13.3	11.0	8.49	9.52	8.47	5
6	4.93	4.30	3.55	3.01	4.29	21.8	24.1	13.3	10.6	8.41	9.47	8.33	6
7	4.87	4.31	3.54	2.98	4.62	20.8	23.9	13.1	10.4	8.23	9.43	8.32	7
8	4.85	4.31	3.53	2.96	5.03	20.2	23.6	13.2	10.4	8.15	9.45	8.33	8
9	4.85	4.31	3.60	2.94	5.54	19.3	22.7	12.9	10.2	8.03	9.49	8.34	9
10	4.85	4.31	3.61	2.91	6.17	18.7	22.0	12.6	9.99	8.55	9.46	8.26	10
11	4.87	4.28	3.61	2.87	6.76	18.8	21.2	12.5	9.97	9.16	9.38	8.23	11
12	4.83	4.26	3.62	2.85	7.31	19.9	20.5	12.3	9.62	8.83	9.20	8.19	12
13	4.82	4.20	3.59	2.82	7.83	21.6	19.9	12.7	9.47	8.95	9.22	8.15	13
14	4.80	4.18	3.60	2.82	8.49	21.2	19.0	12.2	9.59	8.99	9.19	8.12	14
15	4.73	4.15	3.57	2.81	9.37	25.2	18.5	11.8	9.31	9.06	9.14	8.14	15
16	4.71	4.10	3.56	2.79	10.3	26.9	18.1	11.6	9.04	9.12	9.05	8.10	16
17	4.67	4.03	3.52	2.77	11.5	27.6	17.6	11.2	9.05	9.07	9.05	8.04	17
18	4.61	4.02	3.48	2.75	12.7	28.4	17.1	10.9	9.23	9.06	9.02	7.96	18
19	4.56	3.97	3.46	2.72	14.0	28.8	16.7	10.7	9.05	9.15	8.96	7.87	19
20	4.56B	3.97	3.42B	2.70	15.2	29.1	16.2	10.4	8.91	9.26	8.85	7.79	20
21	4.58B	3.95	3.46B	2.72	16.7	29.7	15.6	10.4	8.88	9.43	8.85	7.64	21
22	4.52B	3.91	3.36	2.77	18.1	29.6	15.2	10.5	8.64	9.39	9.09	7.50	22
23	4.53B	3.90	3.31	2.97	19.6	29.6	14.8	11.8	8.70	9.55	9.08	7.44	23
24	4.54B	3.87	3.27	3.11	21.1	29.7	14.5	11.7	8.69	9.51	9.06	7.26	24
25	4.55B	3.87	3.24	3.18	22.5	28.8	13.9	11.8	8.61	9.55	8.98	7.08	25
26	4.59B	3.80	3.20	3.26	24.0	27.7	13.2	11.8	8.65	9.67	8.86	6.95	26
27	4.58B	3.78	3.16	3.32	24.9	26.5	13.1	11.8	8.53	9.60	8.82	6.88	27
28	4.56B	3.74	3.13	3.41	25.1	26.1	13.6	11.8	8.33	9.53	8.77	6.71	28
29	4.51B		3.08	3.60	25.3	26.1	12.9	11.9	7.93	9.54	8.73	6.55	29
30	4.51B		3.11	3.71	25.4	25.3	12.7	11.8	8.19	9.50	8.78	6.42	30
31	4.48B		3.10		25.3		12.9	12.0		9.54		6.33	31
TOTAL	146.65	115.34	106.87	90.07	396.47	747.7	581.7	374.9	285.48	279.02	274.93	241.72	TOTAL
MEAN	4.73	4.12	3.45	3.00	12.8	24.9	18.8	12.1	9.52	9.00	9.16	7.80	MEAN
MAX	5.18	4.44	3.69	3.71	25.4	29.7	26.2	13.4	11.2	9.67	9.55	8.70	MAX
MIN	4.48	3.74	3.08	2.70	3.77	18.7	12.7	10.4	7.93	8.03	8.73	6.33	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.97
MAXIMUM DAILY, 29.7 ON JUN 21
MINIMUM DAILY, 2.70 ON APR 20
MAXIMUM INSTANTANEOUS,
30.3 AT 01:18 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 46 10 N
LONG 102 43 50 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 700	JUL	50 300
FEB	9 970	AUG	32 400
MAR	9 230	SEP	24 700
APR	7 780	OCT	24 100
MAY	34 300	NOV	23 800
JUN	64 600	DEC	20 900

TOTAL DISCHARGE, 315 000 dam³

REMARKS - THE PEAK DISCHARGE WAS PARTLY DUE TO WIND ON MACKENZIE LAKE

TOBIN LAKE AT THE SPILLWAY - STATION NO. 05KD004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	313.625	313.348	313.549	312.257A	313.447	313.104	313.564	313.586	313.447	313.593	313.567	313.212	1
2	313.617	313.322	313.467	312.299A	313.430	313.049	313.545	313.532	313.470	313.612	313.565	313.174	2
3	313.590	313.342	313.404	312.334A	313.420	313.060	313.529	313.488	313.457	313.587	313.606	313.152	3
4	313.570	313.408	313.336	312.329A	313.431	313.088	313.605	313.487	313.441	313.536	313.647	313.197	4
5	313.538	313.494	313.292	312.308A	313.453	313.083	313.575	313.496	313.462	313.512	313.634	313.207	5
6	313.529	313.564	313.222	312.331	313.463	313.081	313.467	313.529	313.486	313.511	313.625	313.162	6
7	313.543	313.570	313.181	312.413	313.519	313.045	313.318	313.486	313.494	313.518	313.613	313.155	7
8	313.589	313.524	313.184	312.522	313.530	313.063	313.190	313.512	313.517	313.533	313.572	313.173	8
9	313.606	313.517	313.174	312.638	313.612	313.170	312.914	313.522	313.524	313.572	313.548	313.164	9
10	313.610	313.461	313.120	312.739	313.481	313.376	312.758	313.578	313.548	313.637	313.543	313.128	10
11	313.610	313.372	313.057A	312.832	313.396	313.546	312.877	313.598	313.551	313.592	313.496	313.152	11
12	313.578	313.334	313.035A	312.894	313.348	313.479	313.146	313.591	313.543	313.590	313.452	313.149	12
13	313.582	313.341	313.028A	312.935	313.346	313.379	313.191	313.530	313.560	313.509	313.386A	313.160	13
14	313.611	313.325	312.983A	313.089	313.391	313.292	313.211	313.491	313.514	313.415	313.342	313.178	14
15	313.637	313.376	312.916A	313.171	313.495	313.245	313.248	313.495	313.425	313.375	313.336	313.178	15
16	313.631	313.473	312.837A	313.167	313.551	313.224	313.326	313.534	313.343	313.374	313.406	313.161	16
17	313.633	313.443	312.677A	313.218	313.575	313.154	313.377	313.578	313.262	313.327	313.431	313.132	17
18	313.609	313.471	312.581A	313.285	313.571	313.093	313.426	313.615	313.286	313.329	313.454	313.134	18
19	313.620	313.530	312.549A	313.321	313.496	313.047	313.450	313.558	313.286	313.359	313.501	313.129	19
20	313.650	313.584	312.497A	313.326	313.492	313.098	313.498	313.507	313.288	313.356	313.531	313.182	20
21	313.650	313.609	312.464A	313.328	313.492	313.258	313.544	313.505	313.335	313.339	313.540	313.268	21
22	313.604	313.614	312.441A	313.349	313.453	313.376	313.535	313.503	313.386	313.360	313.522	313.282	22
23	313.610	313.638	312.384A	313.378	313.443	313.391	313.556	313.491	313.415	313.393	313.448	313.271	23
24	313.597	313.610	312.331A	313.405	313.449	313.353	313.587	313.500	313.462	313.387	313.348	313.266	24
25	313.599	313.615	312.230A	313.412	313.470	313.324	313.617	313.527	313.502	313.381	313.268	313.321	25
26	313.594	313.607	312.255A	313.442	313.458	313.370A	313.618	313.494	313.545	313.386	313.211	313.345	26
27	313.533	313.587	312.199A	313.446	313.379	313.433A	313.606	313.491	313.573	313.400	313.153	313.413	27
28	313.490	313.586	312.175A	313.433	313.329	313.498	313.602	313.530	313.549	313.430	313.112	313.458	28
29	313.503		312.165A	313.434	313.309	313.533	313.615	313.507	313.535	313.442	313.076	313.478	29
30	313.469		312.128A	313.436	313.238	313.554	313.621	313.464	313.568	313.499	313.138	313.459	30
31	313.421		312.143A		313.184		313.609	313.419		313.560		313.463	31
MEAN	313.582	313.488	312.774	312.982	313.437	313.259	313.411	313.520	313.459	313.465	313.436	313.236	MEAN
MAX	313.650	313.638	313.549	313.446	313.575	313.554	313.621	313.615	313.573	313.637	313.647	313.478	MAX
MIN	313.421	313.322	312.128	312.257	313.184	313.045	312.758	313.419	313.262	313.327	313.076	313.128	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 313.337
MAXIMUM DAILY, 313.650 ON JAN 20
MINIMUM DAILY, 312.128A ON MAR 30
MAXIMUM INSTANTANEOUS,
313.693 AT 23:45 CST ON OCT 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 39 10 N
LONG 103 23 53 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
288 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.560B	0.606B	0.698B	2.66B	6.52	7.99	4.97	3.80	0.489	0.625	1.35 B	0.843B	1
2	0.496B	0.646B	0.755B	3.43B	7.63	7.47	4.78	3.63	0.493	0.617	1.61 B	0.933B	2
3	0.529B	0.733B	0.739B	3.23B	7.38	7.85	4.87	3.28	0.602	0.720	1.52 B	1.08 B	3
4	0.559B	0.881B	0.696B	3.24B	7.81	7.34	6.72	2.96	0.633	0.784	1.29 B	1.11 B	4
5	0.608B	0.952B	0.735B	4.38B	9.72	6.91	13.0	2.63	0.616	0.939	1.20 B	0.982B	5
6	0.772B	0.867B	0.776B	6.11B	13.4	6.47	17.9	2.34	0.586	1.13	0.924B	0.873B	6
7	0.830B	0.758B	0.764B	5.12B	13.3	6.38	17.4	2.11	0.590	1.11	1.14 B	0.732B	7
8	0.928B	0.654B	0.726B	6.78B	13.2	6.00	20.6	1.99	0.506	1.18	0.914B	0.802B	8
9	0.889B	0.634B	0.663B	5.48B	12.9	5.53	23.8	1.79	0.438	1.09	0.902B	0.717B	9
10	0.859B	0.661B	0.674B	5.29B	14.0	5.26	24.7	1.59	0.422	1.10	0.989B	0.547B	10
11	0.801B	0.653B	0.622B	4.47B	14.3	5.96	26.2	1.37	0.391	1.09	1.02 B	0.569B	11
12	0.639B	0.833B	0.531B	3.77B	13.5	6.59	28.6	1.18	0.373	1.09	1.07 B	0.635B	12
13	0.700B	0.836B	0.413B	3.30B	12.7	7.35	28.8	1.13	0.364	1.21	1.02 B	0.695B	13
14	0.680B	0.709B	0.332B	2.88B	11.8	7.88	26.2	1.03	0.395	1.32	0.921B	0.687B	14
15	0.695B	0.585B	0.598B	2.45B	11.1	7.49	27.5	0.950	0.479	1.23	0.875B	0.733B	15
16	0.709B	0.581B	1.01 B	2.61B	12.0	6.98	26.7	0.870	0.423	1.17	0.952B	0.730B	16
17	0.687B	0.582B	1.07 B	2.72B	15.2	6.46	25.3	0.843	0.349	1.27	0.924B	0.725B	17
18	0.720B	0.608B	1.02 B	3.62B	15.4	6.00	24.5	0.788	0.354	1.76	0.896B	0.782B	18
19	0.694B	0.751B	0.812B	5.27B	14.5	6.04	17.1	0.748	0.363	1.85	0.830B	0.649B	19
20	0.605B	0.726B	0.792B	4.69B	14.5	6.65	14.8	0.729	0.370	1.42	0.866B	0.564B	20
21	0.613B	0.623B	0.706B	5.91B	15.5	6.53	11.0	0.675	0.437	1.17	0.858B	0.473B	21
22	0.626B	0.636B	1.02 B	6.15B	15.4	6.23	8.04	0.709	0.515	1.29	0.951B	0.474B	22
23	0.603B	0.577B	1.00 B	8.61	15.1	5.89	6.49	0.690	0.541	1.11	0.736B	0.579B	23
24	0.623B	0.509B	1.00 B	8.80	13.9	5.61	5.53	0.622	0.609	2.02	0.867B	0.642B	24
25	0.603B	0.545B	1.12 B	8.66	13.0	5.20	4.79	0.585	0.629	1.80	0.843B	0.638B	25
26	0.596B	0.599B	1.24 B	7.36	12.1	4.82	4.14	0.491	0.603	1.48	0.754B	0.522B	26
27	0.632B	0.661B	1.31 B	6.51	11.3	4.63	4.03	0.470	0.567	1.31	0.871B	0.499B	27
28	0.621B	0.699B	1.31 B	5.65	10.3	4.36	3.72	0.448	0.541	1.96	0.967B	0.648B	28
29	0.609B		1.52 B	4.67	9.39	4.74	3.95	0.402	0.715	1.64	1.03 B	0.644B	29
30	0.630B		1.87 B	6.20	8.84	4.87	4.03	0.392	0.682	1.50 B	0.994B	0.577B	30
31	0.612B		2.69 B		8.28		3.88	0.429		1.85 B		0.384B	31
TOTAL	20.728	19.105	29.232	150.02	373.97	187.48	441.04	41.671	15.075	39.915	29.984	21.468	TOTAL
MEAN	0.669	0.682	0.943	5.00	12.1	6.25	14.2	1.34	0.503	1.29	1.00	0.693	MEAN
MAX	0.928	0.952	2.69	8.80	15.5	7.99	28.8	3.80	0.715	2.02	1.61	1.11	MAX
MIN	0.496	0.509	0.332	2.45	6.52	4.36	3.72	0.392	0.349	0.617	0.736	0.384	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.75
MAXIMUM DAILY, 28.8 ON JUL 13
MINIMUM DAILY, 0.332B ON MAR 14
MAXIMUM INSTANTANEOUS,
29.8 AT 09:00 CST ON JUL 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 35 15 N
LONG 104 09 40 W
DRAINAGE AREA, 4 650 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 790	JUL	38 100
FEB	1 650	AUG	3 600
MAR	2 530	SEP	1 300
APR	13 000	OCT	3 450
MAY	32 300	NOV	2 590
JUN	16 200	DEC	1 850

TOTAL DISCHARGE, 118 000 dam³

TURTLE LAKE NEAR GLASLYN - STATION NO. 05EG009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	654.958	---	---	---	---	4
5	---	---	---	---	---	---	655.026	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	654.731	---	9
10	---	---	---	---	---	---	---	654.917	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	654.918	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	654.908	---	---	---	---	15
16	---	---	---	---	---	---	655.006	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	654.902	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	654.977	---	---	---	---	---	24
25	---	---	---	---	---	---	654.977	---	---	---	---	---	25
26	---	---	---	---	---	---	---	654.888	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	654.978	---	---	---	---	---	28
29	---		---	---	655.066	---	654.968	---	---	---	---	---	29
30	---		---	---	---	---	654.968	---	---	---	---	---	30
31	---		---		---		654.958	---	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 36 50 N
LONG 108 35 07 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
579 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO. 05EG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.540B	3.61 B	0.925	0.843	0.815	0.392	0.081	0.033	---	---	1
2	---	---	0.540B	3.95 B	1.10	0.776	0.621	0.403	0.054	0.052	---	---	2
3	---	---	0.540B	4.21 B	1.11	0.893	1.09	0.374	0.048	0.045	---	---	3
4	---	---	0.540B	4.40 B	0.976	0.822	1.47	0.446	0.040	0.045	---	---	4
5	---	---	0.540B	4.06 B	0.945	0.672	1.31	0.449	0.036	0.056	---	---	5
6	---	---	0.542B	3.68 B	1.00	0.665	1.31	0.385	0.037	0.074	---	---	6
7	---	---	0.550B	4.01 B	1.02	0.697	1.42	0.332	0.029	0.070	---	---	7
8	---	---	0.556B	3.89 B	1.10	0.698	1.39	0.349	0.038	0.064	---	---	8
9	---	---	0.555B	3.43 B	1.04	0.627	1.35	0.321	0.027	0.061	---	---	9
10	---	---	0.542B	2.43 B	1.18	0.720	1.25	0.298	0.019	0.064	---	---	10
11	---	---	0.598B	1.75 B	1.07	0.754	1.01	0.279	0.021	0.067	---	---	11
12	---	---	0.580B	1.30	1.06	0.595	0.954	0.281	0.013	0.088	---	---	12
13	---	---	0.581B	1.23	1.07	0.667	0.745	0.321	0.007	0.064	---	---	13
14	---	---	0.591B	1.12	1.17	0.706	0.919	0.300	0.008	0.058	---	---	14
15	---	---	0.605B	1.02	0.978	0.584	0.975	0.294	0.006	0.059	---	---	15
16	---	---	0.661B	1.05	1.09	0.661	0.843	0.287	0.005	0.067	---	---	16
17	---	---	0.692B	0.991	1.23	0.658	0.783	0.314	0.008	0.076	---	---	17
18	---	---	0.663B	0.908	1.25	0.503	0.782	0.278	0.011	0.111	---	---	18
19	---	---	0.659B	1.01	1.13	0.678	0.845	0.284	0.011	0.102	---	---	19
20	---	---	0.706B	1.07	1.02	0.978	0.701	0.269	0.012	0.109	---	---	20
21	---	---	0.669B	0.902	0.951	0.750	0.655	0.236	0.013	0.104	---	---	21
22	---	---	0.643B	0.891	1.02	0.738	0.665	0.253	0.012	0.107	---	---	22
23	---	---	0.742B	0.857	0.974	0.577	0.738	0.272	0.012	0.120	---	---	23
24	---	---	0.744B	0.824	0.883	0.997	0.722	0.262	0.019	0.126	---	---	24
25	---	---	0.660B	0.903	1.07	0.772	0.676	0.218	0.018	0.120	---	---	25
26	---	0.540B	0.627B	0.975	0.932	0.684	0.664	0.201	0.020	0.119	---	---	26
27	---	0.540B	0.616B	0.843	1.00	0.744	0.659	0.176	0.029	0.117	---	---	27
28	---	0.540B	0.679B	0.955	0.935	0.679	0.621	0.150	0.038	0.123	---	---	28
29	---		1.11 B	1.10	0.822	0.782	0.614	0.144	0.045	0.115	---	---	29
30	---		2.06 B	1.11	0.817	0.686	0.574	0.114	0.036	0.105	---	---	30
31	---		2.75 B		0.873		0.433	0.104		0.123A			31
TOTAL	---	---	23.081	58.469	31.741	21.606	27.604	8.786	0.753	2.644	---	---	TOT
MEAN	---	---	0.745	1.95	1.02	0.720	0.891	0.283	0.025	0.085	---	---	MEA
MAX	---	---	2.75	4.40	1.25	0.997	1.47	0.449	0.081	0.126	---	---	MAX
MIN	---	---	0.540	0.824	0.817	0.503	0.433	0.104	0.005	0.033	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.713
MAXIMUM DAILY, 4.40B ON APR 04
MINIMUM DAILY, 0.005 ON SEP 16
MAXIMUM INSTANTANEOUS,
5.59B AT 17:05 CST ON APR 04

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 22 37 N
LONG 108 57 04 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 380
FEB	---	AUG	759
MAR	1 990	SEP	65.1
APR	5 050	OCT	228
MAY	2 740	NOV	---
JUN	1 870	DEC	---

TOTAL DISCHARGE, 15 100 dam³

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05HF022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	---	0 B	0.001B	0.004	0	0.003E	0 E	0	0	0	0	---	
2	---	0 B	0.001B	0.007	0	0.002E	0 E	0	0	0	---	---	
3	---	0 B	0 B	0.009	0	0.003E	0.001E	0	0	0	---	---	
4	---	0 B	0 B	0.006	0	0.005E	0	0	0	0	---	---	
5	---	0 B	0 B	0.002	0	0.004E	0						
6	---	0 B	0.090B	0.001	0	0.003E	0	0	0	0	---	---	
7	---	0 B	0.226B	0.001	0	0.003E	0	0	0	0	---	---	
8	---	0 B	0.286	0.001	0	0.003E	0	0	0	0	---	---	
9	---	0 B	0.219	0.001B	0	0.002E	0	0	0	0	---	---	
10	---	0 B	0.192	0.001B	0	0.001E	0						
11	---	0 B	0.208	0.001B	0	0.001E	0	0	0	0	---	---	
12	---	0 B	0.149B	0.001B	0	0 E	0	0	0	0	---	---	
13	---	0 B	0.103B	0.003B	0	0 E	0	0	0	0	---	---	
14	---	0 B	0.068	0.002B	0	0 E	0	0	0	0	---	---	
15	---	0 B	0.057	0.001	0 E	0 E	0						
16	---	0 B	0.061	0.002	0	0 E	0	0	0	0	---	---	
17	---	0 B	0.055	0.025	0	0 E	0	0	0	0	---	---	
18	---	0 B	0.042	0.034	0	0 E	0	0	0	0	---	---	
19	---	0 B	0.032	0.023	0	0 E	0	0	0	0	---	---	
20	---	0 B	0.031	0.011	0	0 E	0						
21	---	0 B	0.029	0.002	0	0.001E	0	0	0	0	---	---	
22	---	0 B	0.016	0.003	0	0.001E	0	0	0	0	---	---	
23	---	0 B	0.008	0.002	0	0.001E	0	0	0	0	---	---	
24	---	0 B	0.004	0	0	0 E	0	0	0	0	---	---	
25	---	0 B	0.002	0	0	0.001E	0						
26	---	0 B	0.002	0	0	0.001E	0	0	0	0	---	---	
27	---	0 B	0.002	0	0 E	0.001E	0	0	0	0	---	---	
28	---	0.001B	0.007	0	0 E	0.001E	0	0	0	0	---	---	
29	---		0.014	0	0.001E	0.001E	0	0	0	0	---	---	
30	---		0.012	0	0.002E	0 E	0	0	0	0			
31	---		0.007		0.003E		0						
TOTAL	---	0.001	1.924	0.143	0.006	0.038	0.001	0	0	0	---	---	T
MEAN	---	0	0.062	0.005	0	0.001	0	0	0	0	---	---	
MAX	---	0.001	0.286	0.034	0.003	0.005	0.001	0	0	0	---	---	
MIN	---	0	0	0	0	0	0	0	0				

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.286 ON MAR 08
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
0.350 AT 00:31 CST ON MAR 08

SUMMARY FOR THE MONTHS FEB TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 28 N
LONG 106 52 15 W
DRAINAGE AREA, 169 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.086
FEB	0.086	AUG	0
MAR	166	SEP	0
APR	12.4	OCT	0
MAY	0.518	NOV	---
JUN	3.28	DEC	---

TOTAL DISCHARGE, 182 dam³

VAL MARIE PUMP NO. 1 - STATION NO. 11AC068

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0.142	0	0	---	---	1
2	---	---	0	0	0	0	0	0.106	0	0	---	---	2
3	---	---	0	0	0	0	0	0.149	0	0	---	---	3
4	---	---	0	0	0	0	0	0.190	0	0	---	---	4
5	---	---	0	0	0	0	0	0.186	0	0	---	---	5
6	---	---	0	0	0	0	0	0.189	0	0	---	---	6
7	---	---	0	0	0	0	0	0.182	0	0	---	---	7
8	---	---	0	0	0	0	0	0.050	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	0	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0.002	0	0	0	0	0	---	---	13
14	---	---	0	0	0.157	0	0	0	0	0	---	---	14
15	---	---	0	0	0.214	0	0	0	0	0	---	---	15
16	---	---	0	0	0.204	0	0	0	0	0	---	---	16
17	---	---	0	0	0.209	0	0	0	0	0	---	---	17
18	---	---	0	0	0.206	0	0	0	0	0	---	---	18
19	---	---	0	0	0.171	0	0	0	0	0	---	---	19
20	---	---	0	0	0.182	0	0.001	0	0	0	---	---	20
21	---	---	0	0	0.195	0	0	0	0	0	---	---	21
22	---	---	0	0	0.071	0	0	0	0	0	---	---	22
23	---	---	0	0	0.175	0	0.093	0	0	0	---	---	23
24	---	---	0	0	0.173	0	0.217	0	0	0	---	---	24
25	---	---	0	0	0.191	0	0.245	0	0	0	---	---	25
26	---	---	0	0	0.152	0	0.242	0	0	0	---	---	26
27	---	---	0	0	0.003	0	0.228	0	0	0	---	---	27
28	---	---	0	0	0.153	0	0.219	0	0	0	---	---	28
29	---	---	0	0	0.229	0	0.229	0	0	0	---	---	29
30	---		0	0	0.245	0	0.204	0	0	0	---	---	30
31	---		0		0.162		0.173	0		0		---	31
TOTAL	---	---	0	0	2.994	0	1.841	1.194	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.097	0	0.059	0.039	0	0	---	---	MEAN
MAX	---	---	0	0	0.245	0	0.245	0.190	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.025
MAXIMUM DAILY, 0.245 ON MAY 30
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 44 N
LONG 107 50 55 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	159
FEB	---	AUG	103
MAR	0	SEP	0
APR	0	OCT	0
MAY	259	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 521 dam³

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0.833	0	0	0	0	---	---	1
2	---	---	0	0	0	1.62	0	0	0	0	---	---	2
3	---	---	0	0	0	0.876	0	0	0	0	---	---	3
4	---	---	0	0	0	0.013	0	0	0	0	---	---	4
5	---	---	0	0	0	0.002	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0.605	0.001	0	0	0	0	---	---	7
8	---	---	0	0	0.573	0.001	0	0	0	0	---	---	8
9	---	---	0	0	0.678	0	0	0	0	0	---	---	9
10	---	---	0	0	0.650	0	0	0	0	0	---	---	10
11	---	---	0	0	0.660	0	0	0	0	0	---	---	11
12	---	---	0	0	0.628	0	0	0	0	0	---	---	12
13	---	---	0	0	0.605	0	0	0	0	0	---	---	13
14	---	---	0	0	0.546	0	0	0	0	0	---	---	14
15	---	---	0	0	0.503	0	0	0	0	0	---	---	15
16	---	---	0	0	0.793	0	0.001	0	0	0	---	---	16
17	---	---	0	0	1.04	0	0.002	0	0	0	---	---	17
18	---	---	0	0	1.09	0.001	0.002	0	0	0	---	---	18
19	---	---	0	0	1.26	0.001	0.001	0	0	0	---	---	19
20	---	---	0	0	1.52	0.001	0.001	0	0	0	---	---	20
21	---	---	0	0	1.58	0.001	0	0	0	0	---	---	21
22	---	---	0	0	1.36	0.001	0	0	0	0	---	---	22
23	---	---	0	0	1.55	0	0	0	0	0	---	---	23
24	---	---	0	0	1.53	0	0	0	0	0	---	---	24
25	---	---	0	0	1.15	0	0	0	0	0	---	---	25
26	---	0	0	0	1.03	0	0	0	0	0	---	---	26
27	---	0	0	0	1.44	0	0	0	0	0	---	---	27
28	---	0	0	0	1.39	0	0	0	0	0	---	---	28
29	---		0	0	1.18	0	0	0	0	0	---	---	29
30	---		0	0	0.897	0	0	0	0	0	---	---	30
31	---		0		0.746		0	0		0		---	31
TOTAL	---	---	0	0	25.004	3.351	0.007	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.807	0.112	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	1.58	1.62	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.116
MAXIMUM DAILY, 1.62 ON JUN 02
MINIMUM DAILY, 0 ON MAR 01

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 27 N
LONG 109 35 30 W

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.605
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	2 160	NOV	---
JUN	290	DEC	---

TOTAL DISCHARGE, 2 450 dam³

WAKAW LAKE NEAR WAKAW - STATION NO. 05KA012

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	509.461	---	---	---	---	---	1
2	---	---	---	---	509.514	---	---	---	509.302	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	509.499	---	---	---	---	---	---	4
5	---	---	---	---	---	---	509.479	---	509.298	---	---	---	5
6	---	---	---	---	---	---	---	509.381	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	509.501	---	---	---	---	---	---	8
9	---	---	---	---	---	---	509.458	509.380	---	509.224	509.219	---	9
10	---	---	---	---	509.516	---	---	---	509.282	---	---	---	10
11	---	---	---	---	---	---	509.475	---	---	---	---	---	11
12	---	---	---	---	---	---	509.467	---	---	---	---	---	12
13	---	---	---	---	509.515	---	---	---	---	---	---	---	13
14	---	---	---	---	---	509.499	---	509.368	509.262	---	---	---	14
15	---	---	---	---	509.534	---	509.453	---	---	509.213	---	---	15
16	---	---	---	---	---	509.483	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	509.360	---	---	---	---	17
18	---	---	---	---	---	509.479	509.447	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	509.254	---	---	---	19
20	---	---	---	---	509.539	509.479	---	---	---	---	---	---	20
21	---	---	---	---	---	---	509.435	509.346	---	509.209	---	---	21
22	---	---	---	---	---	509.473	---	---	---	---	---	---	22
23	---	---	---	---	---	---	509.423	---	509.248	---	---	---	23
24	---	---	---	---	509.539	---	509.417	509.338	---	---	---	---	24
25	---	---	---	509.503	---	---	---	---	---	---	---	---	25
26	---	---	---	---	509.539	---	---	---	509.230	---	---	---	26
27	---	---	---	---	---	509.471	---	---	---	---	---	---	27
28	---	---	---	---	---	---	509.411	---	---	---	---	---	28
29	---		---	---	509.507	---	---	509.310	---	---	---	---	29
30	---		---	---	---	509.463	---	---	---	509.207	---	---	30
31	---		---		509.503		---	509.306		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 509.539 ON MAY 20

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 38 41 N
LONG 105 37 34 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
233 km²

WALDSEA LAKE NEAR HUMBOLDT - STATION NO. 05KA010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	531.998	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	531.758	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	531.868	---	---	---	5
6	---	---	---	---	---	---	532.058	---	---	---	---	---	6
7	---	---	---	---	---	532.110	---	---	---	---	531.695	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	532.042	531.968	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	531.738	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	532.048	---	531.848	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	532.099	---	---	---	---	---	---	14
15	---	---	---	---	532.162	---	---	531.948	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	532.171	---	---	---	---	531.728	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	532.018	---	531.818	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	532.069	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	531.918	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	532.141	---	---	---	---	531.718	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	531.988	---	531.788	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	532.059	---	---	---	---	---	---	28
29	---		---	---	---	---	---	531.898	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		532.120		---	---		531.708		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 52 16 45 N
LONG 105 11 33 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
214 km²

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.45	0.196	0.036	0	0.004	0	0	---	---	1
2	---	---	0 B	5.30	0.186	0.036	0	0.004	0	0	---	---	2
3	---	---	0 B	4.91	0.177	0.051	0.002	0.005	0	0	---	---	3
4	---	---	0 B	4.15	0.157	0.062	0.001	0.003	0	0	---	---	4
5	---	---	0 B	3.50	0.153	0.043	0	0.003	0	0	---	---	5
6	---	---	0 B	3.07	0.128	0.047	0.003	0.002	0	0	---	---	6
7	---	---	0 B	2.58	0.106	0.046	0.004	0.002	0	0	---	---	7
8	---	---	0 B	2.16	0.119	0.047	0.005	0.001	0	0	---	---	8
9	---	---	0 B	1.84	0.117	0.041	0.004	0	0	0	---	---	9
10	---	---	0.921B	1.37	0.119	0.036	0.004	0	0	0	---	---	10
11	---	---	3.62 B	1.32	0.118	0.033	0.003	0	0	0	---	---	11
12	---	---	4.67 B	1.32	0.120	0.024	0.011	0	0	0	---	---	12
13	---	---	3.75 B	1.09	0.125	0.020	0.030	0	0	0	---	---	13
14	---	---	4.35 B	0.770	0.134	0.016	0.041	0	0	0	---	---	14
15	---	---	4.43 B	0.552	0.138	0.014	0.036	0	0	0	---	---	15
16	---	---	4.70 B	0.414	0.130	0.012	0.040	0	0	0	---	---	16
17	---	---	4.73 B	0.380	0.142	0.012	0.039	0	0	0	---	---	17
18	---	---	4.57 B	0.368	0.122	0.011	0.035	0	0	0	---	---	18
19	---	---	4.76 B	0.328	0.094	0.012	0.034	0	0	0	---	---	19
20	---	---	5.55 B	0.285	0.136	0.014	0.032	0	0	0	---	---	20
21	---	---	6.93 B	0.242	0.166	0.014	0.031	0	0	0	---	---	21
22	---	---	6.92 B	0.223	0.177	0.012	0.030	0	0	0	---	---	22
23	---	---	6.67 B	0.223	0.180	0.012	0.027	0	0	0	---	---	23
24	---	---	6.29 B	0.212	0.176	0.010	0.024	0	0	0	---	---	24
25	---	---	6.21 B	0.248	0.143	0.007	0.018	0	0	0	---	---	25
26	---	---	6.00 B	0.257	0.114	0.006	0.015	0	0	0	---	---	26
27	---	---	5.72 B	0.224	0.110	0.006	0.012	0	0	0	---	---	27
28	---	---	5.63	0.201	0.107	0.005	0.009	0	0	0	---	---	28
29	---	---	5.67	0.200	0.101	0.003	0.007	0	0	0	---	---	29
30	---		5.82	0.190	0.077	0.001	0.006	0	0	0	---	---	30
31	---		5.76		0.051		0.005	0		0		---	31
TOTAL	---	---	113.671	43.377	4.119	0.689	0.508	0.024	0	0	---	---	TOTAL
MEAN	---	---	3.67	1.45	0.133	0.023	0.016	0.001	0	0	---	---	MEAN
MAX	---	---	6.93	5.45	0.196	0.062	0.041	0.005	0	0	---	---	MAX
MIN	---	---	0	0.190	0.051	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.663
MAXIMUM DAILY, 6.93B ON MAR 21
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
7.28B AT 01:05 CST ON MAR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 07 N
LONG 104 26 03 W
DRAINAGE AREA, 2 980 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	43.9
FEB	---	AUG	2.07
MAR	9 820	SEP	0
APR	3 750	OCT	0
MAY	356	NOV	---
JUN	59.5	DEC	---

TOTAL DISCHARGE, 14 000 dam³

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.452B	0.578B	0.666B	11.8 B	1.59	1.01	0.698	0.609	0.718	0.797	0.806	0.237B	1
2	0.433B	0.250B	0.413B	13.2 B	1.46	0.984	0.714	0.428	0.714	0.738	0.772	0.255B	2
3	0.619B	0.200B	0.755B	13.3 B	1.55	0.984	0.805	0.769	0.718	0.459	0.568B	0.194B	3
4	0.563B	0.407B	1.44 B	12.8 B	1.44	1.06	4.15	0.774	0.701	0.412	0.731B	0.207B	4
5	0.583B	0.580B	2.10 B	11.9 B	1.54	1.03	2.58	0.753	0.702	0.596	0.664B	0.247B	5
6	0.614B	0.510B	1.32 B	10.8 B	1.41	0.940	1.18	0.789	0.689	0.459	0.566B	0.317B	6
7	0.546B	0.515B	1.43 B	9.43B	1.35	0.894	4.82	0.732	0.691	0.365	0.599B	0.520B	7
8	0.519B	0.387B	1.47 B	7.64B	1.40	0.908	2.67	0.734	0.681	0.439	0.876B	0.638B	8
9	0.476B	0.895B	2.96 B	7.05B	1.86	1.29	3.13	0.691	0.723	0.445	0.698B	0.664B	9
10	0.487B	0.946B	3.40 B	4.52B	1.57	1.28	1.50	0.692	0.714	0.440	0.501B	0.567B	10
11	0.342B	0.777B	2.00 B	2.77B	1.47	0.965	1.81	0.724	0.709	0.358	0.710B	0.526B	11
12	0.678B	0.510B	2.19 B	2.08B	1.40	0.843	4.04	0.755	0.468	0.247	0.648B	0.500B	12
13	0.773B	0.469B	3.56 B	1.87	1.35	0.875	1.26	0.752	0.279	0.360	0.685B	0.602B	13
14	0.900B	0.671B	3.45 B	1.83	1.31	0.906	1.02	0.739	0.347	0.380	0.731B	0.571B	14
15	0.987B	0.300B	4.84 B	1.81	1.40	0.853	1.16	0.744	0.800	0.393	0.670B	0.576B	15
16	0.835B	0.220B	5.58 B	1.77	2.20	0.853	1.03	0.755	0.792	0.391	0.664B	0.611B	16
17	0.753B	0.453B	4.40 B	1.67	2.94	0.850	0.933	0.741	0.766	0.384	0.709B	0.671B	17
18	0.760B	0.805B	5.27 B	1.66	1.37	0.870	0.846	0.773	0.759	0.381	0.722B	0.764B	18
19	0.547B	0.668B	5.04 B	1.72	1.27	0.922	0.647	0.798	0.739	0.354	0.697B	0.676B	19
20	0.168B	0.851B	4.73 B	1.69	1.21	0.919	0.893	0.792	0.758	0.277	0.696B	0.421B	20
21	0.819B	0.757B	5.07 B	1.60	1.16	0.932	0.880	0.787	0.763	0.190	0.770B	0.408B	21
22	0.693B	0.288B	3.90 B	1.51	1.11	1.05	0.841	0.767	0.861	0.340	0.579B	0.668B	22
23	0.634B	0.276B	4.71 B	1.49	1.32	0.995	0.817	0.626	0.822	0.383	0.382B	0.616B	23
24	0.442B	0.566B	6.23 B	1.41	1.16	0.883	0.804	0.923	0.775	0.384	0.232B	0.552B	24
25	0.423B	0.775B	7.23 B	1.49	1.07	0.820	0.807	0.906	0.753	0.650	0.276B	0.517B	25
26	0.570B	0.461B	6.85 B	2.89	1.15	0.736	0.889	1.02	0.776	0.875	0.237B	0.775B	26
27	0.933B	0.666B	6.41 B	2.25	1.27	0.844	0.975	1.10	0.783	0.860	0.245B	0.775B	27
28	0.815B	0.868B	8.16 B	2.06	1.28	0.846	1.43	1.06	0.783	0.810	0.274B	0.417B	28
29	0.746B		9.29 B	1.94	1.13	0.891	1.23	0.937	0.787	0.813	0.271B	0.352B	29
30	0.755B		9.44 B	1.68	1.01	0.746	0.982	0.844	0.778	0.819	0.233B	0.459B	30
31	0.790B		10.3 B		0.986		0.890	0.785		0.799		0.418B	31
TOTAL	19.645	15.649	134.604	139.63	43.676	27.979	46.431	24.299	21.349	15.598	17.212	15.721	TOTAL
MEAN	0.634	0.559	4.34	4.65	1.41	0.933	1.50	0.784	0.712	0.503	0.574	0.507	MEAN
MAX	0.987	0.946	10.3	13.3	2.94	1.29	4.82	1.10	0.861	0.875	0.876	0.775	MAX
MIN	0.168	0.200	0.413	1.41	0.986	0.736	0.647	0.428	0.279	0.190	0.232	0.194	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.43
MAXIMUM DAILY, 13.3B ON APR 03
MINIMUM DAILY, 0.168B ON JAN 20
MAXIMUM INSTANTANEOUS,
14.2B AT 20:15 CST ON APR 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 10 N
LONG 104 54 35 W
DRAINAGE AREA, 4 610 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 700	JUL	4 010
FEB	1 350	AUG	2 100
MAR	11 600	SEP	1 840
APR	12 100	OCT	1 350
MAY	3 770	NOV	1 490
JUN	2 420	DEC	1 360

TOTAL DISCHARGE, 45 100 dam³

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0 B	1.16	0.015	0	0	0	0	0	---	---	1
2	---	---	0 B	1.03	0.013	0	0	0	0	0	---	---	2
3	---	---	0 B	0.957	0.012	0	0	0	0	0	---	---	3
4	---	---	0 B	0.934	0.011	0	0	0	0	0	---	---	4
5	---	---	0 B	0.811	0.010	0	0	0	0	0	---	---	5
6	---	---	0 B	0.671	0.008	0	0	0	0	0	---	---	6
7	---	---	0 B	0.583	0.007	0	0	0	0	0	---	---	7
8	---	---	0 B	0.517	0.007	0	0	0	0	0	---	---	8
9	---	---	0.026B	0.476	0.007	0	0	0	0	0	---	---	9
10	---	---	0.534B	0.425	0.006	0	0	0	0	0	---	---	10
11	---	---	0.426B	0.372	0.006	0	0	0	0	0	---	---	11
12	---	---	0.495B	0.321	0.005	0	0	0	0	0	---	---	12
13	---	---	0.752B	0.265	0.005	0	0	0	0	0	---	---	13
14	---	---	0.976B	0.210	0.004	0	0	0	0	0	---	---	14
15	---	---	1.25 B	0.157	0.004	0	0	0	0	0	---	---	15
16	---	---	1.53 B	0.117	0.006	0	0	0	0	0	---	---	16
17	---	---	1.66 B	0.090	0.006	0	0	0	0	0	---	---	17
18	---	---	2.58 B	0.075	0.005	0	0	0	0	0	---	---	18
19	---	---	3.65 B	0.064	0.005	0	0	0	0	0	---	---	19
20	---	---	4.40 B	0.054	0.005	0	0	0	0	0	---	---	20
21	---	---	3.92 B	0.048	0.004	0	0	0	0	0	---	---	21
22	---	---	3.14 B	0.043	0.004	0	0	0	0	0	---	---	22
23	---	---	2.27	0.039	0.004	0	0	0	0	0	---	---	23
24	---	---	1.53	0.035	0.003	0	0	0	0	0	---	---	24
25	---	---	1.29	0.033	0.002	0	0	0	0	0	---	---	25
26	---	---	1.23	0.031	0.002	0	0	0	0	0	---	---	26
27	---	---	1.25	0.030	0.001	0	0	0	0	0	---	---	27
28	---	---	1.27	0.027	0.001	0	0	0	0	0	---	---	28
29	---	---	1.32	0.022	0.001	0	0	0	0	0	---	---	29
30	---		1.25	0.018	0	0	0	0	0	0	---	---	30
31	---		1.29		0		0	0		0		---	31
TOTAL	---	---	38.039	9.615	0.169	0	0	0	0	0	---	---	TOT
MEAN	---	---	1.23	0.321	0.006	0	0	0	0	0	---	---	MEA
MAX	---	---	4.40	1.16	0.015	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0.018	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.195
MAXIMUM DAILY, 4.40B ON MAR 20
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.74B AT 03:30 CST ON MAR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 10 N
LONG 104 01 50 W
DRAINAGE AREA, 1 620 km²

B - ICE CONDITIONS

REGULATED SINCE 1950

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3 290	SEP	0
APR	831	OCT	0
MAY	14.6	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4 140 dam³

WASCANA LAKE AT THE MARINA - STATION NO. 05JF015

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	570.593	570.577	570.555	571.017	570.637	570.545	570.433	570.502	570.361	570.208	570.194	570.184	1
2	570.591	570.576	570.565	570.989	570.634	570.551	570.427	570.496	570.360	570.211	570.183	570.182	2
3	570.591	570.574	570.572	570.946	570.625	570.554	570.482	570.497	570.348	570.204	570.193	570.182	3
4	570.592	570.575	570.583	570.917	570.617	570.555	570.477	570.492	570.345	570.207	570.196	570.183	4
5	570.592	570.574	570.586	570.885	570.611	570.534	570.487	570.490	570.334	570.211	570.197	570.182	5
6	570.591	570.571	570.592	570.857	570.603	570.536	570.553	570.484	570.325	570.203	570.196	570.181	6
7	570.591	570.570	570.610	570.830	570.596	570.532	570.582	570.472	570.315	570.207	570.196	570.180	7
8	570.591	570.570	570.642	570.809	570.622	570.545	570.618	570.455	570.306	570.210	570.199	570.178	8
9	570.590	570.568	570.669	570.778	570.616	570.550	570.621	570.444	570.298	570.208	570.199	570.178	9
10	570.590	570.567	570.689	570.752	570.611	570.560	570.629	570.437	570.295	570.192	570.199	570.181	10
11	570.589	570.565	570.725	570.732	570.601	570.540	570.641	570.431	570.284	570.187	570.197	570.184	11
12	570.589	570.566	570.808	570.716	570.604	570.529	570.629	570.426	570.283	570.205	570.195	570.188	12
13	570.589	570.560	570.870	570.709	570.598	570.515	570.615	570.419	570.259	570.199	570.198	570.187	13
14	570.587	570.560	570.881	570.699	570.599	570.509	570.595	570.407	570.259	570.191	570.195	570.190	14
15	570.586	570.560	570.881	570.687	570.610	570.507	570.584	570.402	570.255	570.195	570.196	570.193	15
16	570.584	570.557	570.860	570.670	570.629	570.503	570.585	570.393	570.261	570.197	570.196	570.193	16
17	570.584	570.553	570.840	570.666	570.634	570.499	570.568	570.384	570.246	570.193	570.195	570.193	17
18	570.581	570.549	570.823	570.654	570.627	570.491	570.559	570.388	570.233	570.203	570.196	570.192	18
19	570.582	570.548	570.819	570.647	570.606	570.483	570.554	570.385	570.235	570.190	570.197	570.194	19
20	570.580	570.547	570.854	570.639	570.605	570.483	570.547	570.381	570.228	570.178	570.199	570.192	20
21	570.577	570.546	570.924	570.639	570.607	570.484	570.540	570.378	570.230	570.190	570.199	570.192	21
22	570.579	570.546	570.938	570.627	570.610	570.484	570.536	570.380	570.229	570.188	570.194	570.190	22
23	570.581	570.549	570.914	570.623	570.609	570.484	570.531	570.371	570.228	570.188	570.193	570.188	23
24	570.578	570.545	570.912	570.623	570.612	570.476	570.522	570.364	570.223	570.195	570.191	570.192	24
25	570.579	570.543	570.910	570.651	570.592	570.465	570.517	570.371	570.222	570.193	570.190	570.187	25
26	570.574	570.544	570.907	570.678	570.570	570.457	570.522	570.382	570.215	570.179	570.192	570.188	26
27	570.574	570.540	570.917	570.673	570.574	570.452	570.525	570.386	570.214	570.187	570.190	570.189	27
28	570.573	570.541	570.946	570.651	570.576	570.439	570.521	570.386	570.213	570.199	570.187	570.186	28
29	570.578		570.980	570.636	570.578	570.438	570.519	570.382	570.219	570.193	570.187	570.184	29
30	570.578		571.009	570.634	570.570	570.433	570.518	570.379	570.205	570.198	570.186	570.185	30
31	570.580		571.027		570.553		570.513	570.358		570.201		570.186	31
MEAN	570.584	570.559	570.801	570.734	570.604	570.505	570.547	570.417	570.268	570.197	570.194	570.187	MEA
MAX	570.593	570.577	571.027	571.017	570.637	570.560	570.641	570.502	570.361	570.211	570.199	570.194	MAX
MIN	570.573	570.540	570.555	570.623	570.553	570.433	570.427	570.358	570.205	570.178	570.183	570.178	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 570.466
MAXIMUM DAILY, 571.027 ON MAR 31
MINIMUM DAILY, 570.178 ON OCT 20
MAXIMUM INSTANTANEOUS,
571.030 AT 18:44 CST ON MAR 31

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 50 N
LONG 104 36 17 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 360 km²

WASKESIU LAKE AT WASKESIU LAKE - STATION NO. 06CA002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	532.195	---	---	---	---	1
2	---	---	---	---	---	---	---	---	532.079	531.983	---	---	2
3	---	---	---	---	---	---	532.158	---	---	---	---	---	3
4	---	---	---	---	---	---	532.193	---	532.059	---	---	---	4
5	---	---	---	---	---	532.120	---	---	---	531.976	---	---	5
6	---	---	---	---	---	---	532.193	---	---	---	---	---	6
7	---	---	---	---	532.029	532.120	---	532.167	---	---	---	---	7
8	---	---	---	---	532.047	---	532.203	---	532.057	---	---	---	8
9	---	---	---	---	532.053	---	---	---	---	---	---	---	9
10	---	---	---	---	---	532.126	532.204	---	---	531.958	---	---	10
11	---	---	---	---	532.063	---	532.208	---	532.046	---	---	---	11
12	---	---	---	---	---	532.143	---	---	---	531.946	---	---	12
13	---	---	---	---	---	---	532.208	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	532.038	---	---	---	14
15	---	---	---	---	532.082	532.143	---	---	---	---	---	---	15
16	---	---	---	---	532.083	532.143	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	532.083	532.160	532.193	---	532.014	---	---	---	18
19	---	---	---	---	---	---	---	532.119	---	---	---	---	19
20	---	---	---	---	532.099	532.168	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	532.150	---	---	532.018	---	---	---	22
23	---	---	---	---	---	---	---	532.117	---	---	---	---	23
24	---	---	---	---	532.112	---	532.167	532.111	---	---	---	---	24
25	---	---	---	---	---	---	532.165	---	532.016	531.916	---	---	25
26	---	---	---	---	532.112	532.153	---	532.095	---	---	---	---	26
27	---	---	---	---	---	---	---	---	532.004	---	---	---	27
28	---	---	---	---	---	532.153	---	---	---	---	---	---	28
29	---		---	---	532.112	---	---	---	---	---	---	---	29
30	---		---	---	532.112	532.155E	---	---	531.996	---	---	---	30
31	---		---		532.113E		532.187	532.092		531.916E			31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 532.208 ON JUL 11

TYPE OF GAUGE - MANUAL
LOCATION - LAT 53 55 25 N
LONG 106 05 08 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1936
DRAINAGE AREA, 967 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERBURY LAKE AT CREW CABIN - STATION NO. 07LB001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		29.235		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 58 13 00 N
LONG 104 13 00 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA, 2 270 km²

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO. 07LB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23.2A	22.2	21.0	18.7	19.4	20.7	25.4	26.8	21.9	19.2	18.0	19.4
2	22.9	21.9	20.7	19.2	19.4	20.6	25.3	26.2	22.0	19.2	18.1	19.4
3	22.9	22.3	20.7	19.5	19.6	20.7	25.4	26.0	21.9	19.2	18.1	19.4
4	22.1	22.5	20.6	18.8	19.6	20.7	25.4	26.0	21.6	19.2	18.1	19.5
5	21.4A	22.7	20.9	18.4	19.9	20.6	25.1	26.0	21.5	19.4	18.1	19.5
6	22.3A	22.9	20.7	18.5	20.1	20.4	25.1	25.9	21.0	19.4	18.0	19.6
7	22.8A	22.8	20.7	18.9	20.1	20.4	25.3	25.5	20.9	19.4	18.0	19.7
8	23.0A	23.0	20.8	18.4	20.0	20.5	25.6	25.1	20.9	19.3	18.0	19.9
9	23.1E	22.9	20.7	18.0	19.8	20.4	25.9	24.8	20.7	19.4	18.0	20.0
10	22.9E	22.8	20.5	17.5	19.9	20.4	26.0	24.7	20.6	19.2	18.0	20.0
11	22.7E	22.7	20.5	17.9	19.8	20.9	26.2	24.5	20.5	18.7	18.0	20.0
12	22.4E	22.6	20.2	18.1	19.8	21.8	26.2	24.6	20.3	18.7	17.7	20.2
13	22.1E	22.4	20.2	17.8	19.8	22.2	26.0	25.4	20.7	18.7	18.0	20.6
14	21.8E	22.4	20.3	17.7	19.7	22.3	25.8	25.0	20.8	18.7	18.3	20.9
15	22.0E	22.3	20.4	18.0	19.8	22.6	25.7	24.6	20.8	18.7	18.4	20.7
16	22.2A	22.0	20.4	17.8	19.8	23.0	26.4	24.2	20.9	18.6	18.4	20.6
17	22.3A	21.8	19.9	18.0	19.7	23.3	26.5	24.1	20.7	18.7	18.4	20.6
18	21.7A	21.7	19.5	18.1	19.8	24.0	27.1	24.1	20.3	18.7	18.5	20.5
19	21.1A	21.8	19.9	18.1	20.0	24.3	27.0	24.4	20.2	18.7	18.5	20.5
20	21.2E	21.8	19.4	18.2	20.1	24.5	27.2	23.6	20.1	18.8	18.5	21.0
21	21.5E	22.4	19.8	18.6	20.5	25.4	26.9	23.5	20.1	18.7	18.7	20.6
22	21.8E	22.3	18.7	19.1	20.8	25.5	26.9	23.6	20.2	18.8	19.3	20.1
23	22.2E	21.6	18.7	19.7	20.9	25.6	27.0	23.7	20.5	18.9	19.4	20.2
24	22.6A	21.7	19.0	19.9	21.1	25.5	26.8	23.3	20.1	18.8	19.4	20.1
25	23.4	21.2	18.7	20.0	21.2	25.5	26.7	22.7	20.0	18.7	19.4	20.1
26	23.5	21.1	18.3	19.8	21.3	25.2	26.8	22.8	20.0	18.4	19.5	19.9
27	23.4	21.2	18.5	19.7	21.1	25.3	26.6	22.4	19.9	18.2	19.3	20.5
28	23.4	21.1	18.3	19.6	21.2	25.4	27.0	22.4	19.7	18.1	19.4	20.5
29	23.0		18.8	19.5	21.2	25.2	26.5	22.5	19.8	18.0	19.4	20.5
30	22.3		19.2	19.4	21.1	25.3	26.7	22.4	19.5	18.0	19.5	20.1
31	22.2		19.3		20.9		26.8	22.2		18.0		19.8
TOTAL	695.4	620.7	614.0	560.9	627.4	688.2	813.1	752.3	617.5	582.5	556.4	623.6
MEAN	22.4	22.2	19.8	18.7	20.2	22.9	26.2	24.3	20.6	18.8	18.5	20.1
MAX	23.5	23.0	21.0	20.0	21.3	25.6	27.0	26.8	22.0	19.4	19.5	21.0
MIN	21.1	21.1	18.2	17.5	19.4	20.4	25.1	22.2	19.5	18.0	17.7	19.4

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.2
MAXIMUM DAILY, 27.2 ON JUL 20
MINIMUM DAILY, 17.5 ON APR 10
MAXIMUM INSTANTANEOUS,
27.4 AT 17:45 CST ON JUL 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 23 10 N
LONG 104 36 30 W
DRAINAGE AREA, 3 160 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	60 100	JUL	70 300
FEB	53 600	AUG	65 000
MAR	53 000	SEP	53 400
APR	48 500	OCT	50 300
MAY	54 200	NOV	48 100
JUN	59 500	DEC	53 900

TOTAL DISCHARGE, 670 000 dam³

WATERHEN LAKE NEAR DORINTOSH - STATION NO. 06AF007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	472.734	472.918	472.922	472.832	---	---
2	---	---	---	---	---	---	---	472.918	472.922	---	---	---
3	---	---	---	---	---	---	---	472.918	472.917	---	---	---
4	---	---	---	---	---	---	472.803	472.918	472.912	472.827	---	---
5	---	---	---	---	---	472.669	472.808	472.918	472.907	472.817	---	---
6	---	---	---	---	---	---	472.813	472.917	472.907	472.807	---	---
7	---	---	---	---	---	472.668	---	472.927	---	472.797	---	---
8	---	---	---	---	---	472.668	472.823	472.920	---	472.787	---	---
9	---	---	---	---	---	472.668	472.827	---	472.892	472.787	---	---
10	---	---	---	---	---	472.668	472.837	472.932	472.887	---	---	---
11	---	---	---	---	---	---	472.837	472.932	472.887	472.777	---	---
12	---	---	---	---	---	---	472.842	472.932	472.897	472.777	---	---
13	---	---	---	---	---	---	472.842	472.932	472.892	472.772	---	---
14	---	---	---	---	---	472.677	472.842	472.932	472.887	472.772	---	---
15	---	---	---	---	---	472.677	472.846	472.932	472.887	472.772	472.643	---
16	---	---	---	---	---	472.677	---	472.932	472.882	472.767	---	---
17	---	---	---	---	---	472.676	472.861	472.932	472.882	472.762	---	---
18	---	---	---	---	---	---	472.866	472.937	472.877	472.757	---	---
19	---	---	---	---	---	---	472.871	472.927	472.872	472.752	---	---
20	---	---	---	---	---	472.686	472.870	472.927	---	472.747	---	---
21	---	---	---	---	---	472.696	472.880	472.930	472.867	472.742	---	---
22	---	---	---	---	---	472.696	472.880	472.942	472.867	472.737	---	---
23	---	---	---	---	---	472.695	---	472.942	472.867	472.737	---	---
24	---	---	---	---	---	---	472.890	472.939	472.857	472.732	---	---
25	---	---	---	---	---	472.700	472.910	472.932	472.857	472.727	---	---
26	---	---	---	---	---	472.700	472.909	472.927	472.852	472.717	---	---
27	---	---	---	---	---	472.705	---	472.922	472.852	472.717	---	---
28	---	---	---	---	---	472.714	472.914	472.922	472.847	472.712	---	---
29	---		---	---	472.686	472.714	472.914	472.922	472.847	472.709	---	---
30	---		---	---	---	472.714	472.914	472.922	472.837	---	---	---
31	---		---		---		472.913	472.922		---		---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

WATER LEVELS IN METRES

MAXIMUM DAILY, 472.942 ON AUG 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 27 45 N
LONG 108 31 10 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE
E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
10 200 km²

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 06AF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.32B	6.82B	7.65B	7.05	10.0	12.8	12.7	12.2	9.69	7.54	6.08	4.40B	1
2	6.32B	6.81B	7.49B	7.09	10.0	12.6	12.2	12.2	9.70	7.56	6.11	4.35B	2
3	6.32B	6.87B	7.54B	7.17	10.1	12.6	12.2	12.0	9.82	7.81	5.81	4.29B	3
4	6.32B	7.04B	7.42B	7.27	10.1	12.4	13.7	11.9	9.58	7.48	5.78B	4.06B	4
5	6.32B	7.10B	7.37B	7.29	10.2	12.8	13.6	11.7	9.42	7.33	5.89B	4.09B	5
6	6.32B	7.23B	7.26B	7.48	9.90	12.6	13.5	11.5	9.28	7.39	5.52B	4.10B	6
7	6.32B	7.24B	7.29B	7.59	10.2	12.6	13.9	11.7	9.43	7.20	5.44B	4.10B	7
8	6.32B	7.29B	7.29B	7.58	10.6	12.6	13.7	11.5	9.21	7.12	5.35B	4.00B	8
9	6.32B	7.20B	7.25B	7.75	10.7	12.5	13.5	11.2	9.15	7.14	5.30B	3.93B	9
10	6.33B	7.20B	7.23B	7.75	10.8	12.3	13.9	11.2	9.07	7.37	5.25B	3.80B	10
11	6.33B	7.28B	7.39B	7.72	10.9	12.6	13.9	11.4	8.86	7.19	5.06B	3.81B	11
12	6.33B	7.30B	7.66B	7.76	10.9	12.6	13.6	11.3	8.87	6.86	4.83B	3.78B	12
13	6.34B	7.30B	7.64B	7.73	11.1	12.8	14.0	11.2	9.19	7.08	4.91B	3.63B	13
14	6.49B	7.36B	7.62B	7.86	11.1	12.9	14.5	11.0	9.02	7.15	4.97B	3.63B	14
15	6.45B	7.30B	7.62B	7.95	11.3	13.0	14.0	10.9	8.79	7.06	4.84B	3.55B	15
16	6.60B	7.33B	7.62B	7.96	11.4	12.8	13.7	10.8	8.46	6.91	4.83B	3.54B	16
17	6.65B	7.33B	7.53B	7.84	11.5	12.9	13.7	10.7	8.98	6.71	4.82B	3.40B	17
18	6.66B	7.33B	7.38B	8.06	11.6	12.8	13.7	10.6	8.66	6.46	4.78B	3.42B	18
19	6.74B	7.42B	7.35B	8.11	11.8	12.8	13.5	10.7	8.53	6.81	4.71B	3.50B	19
20	6.83B	7.64B	7.26B	8.16	11.8	12.7	13.3	10.6	8.59	6.88	4.62B	3.34B	20
21	6.97B	7.69B	7.30B	8.28	11.9	12.7	13.2	10.5	8.40	6.46	4.84B	3.26B	21
22	6.94B	7.67B	7.30B	8.47	12.1	12.6	13.3	10.5	8.36	6.80	4.69B	3.30B	22
23	7.00B	7.72B	7.30B	8.76	12.0	12.3	13.1	10.9	8.29	6.63	4.51B	3.15B	23
24	7.00B	7.56B	7.30B	8.87	12.0	12.5	12.8	10.6	8.45	6.24	4.54B	3.18B	24
25	7.06B	7.71B	7.29B	9.14	12.1	12.4	12.7	10.2	8.39	6.27	4.41B	3.08B	25
26	7.00B	7.77B	7.11B	9.43	12.4	12.1	12.6	10.1	8.29	6.38	4.37B	2.99B	26
27	7.00B	7.71B	7.21B	9.53	12.5	12.3	12.7	10.2	8.08	6.09	4.44B	2.96B	27
28	6.99B	7.66B	7.17B	9.81	12.4	12.3	12.9	10.1	7.87	6.27	4.43B	2.91B	28
29	7.01B		7.21B	10.0	12.4	12.3	12.5	9.91	7.77	6.24	4.42B	2.73B	29
30	6.92B		7.22B	10.1	12.5	12.1	12.4	9.44	7.98	5.96	4.40B	2.70B	30
31	6.93B		7.17B		13.0		12.2	9.77		6.06		2.71B	31
TOTAL	205.45	205.88	228.44	245.66	351.30	377.3	411.2	338.52	264.18	212.47	149.95	109.69	TOTAL
MEAN	6.63	7.35	7.37	8.19	11.3	12.6	13.3	10.9	8.81	6.85	5.00	3.54	MEAN
MAX	7.06	7.77	7.66	10.1	13.0	13.0	14.5	12.2	9.82	7.83	6.11	4.40	MAX
MIN	6.32	6.81	7.11	7.05	9.90	12.1	12.2	9.44	7.77	5.96	4.37	2.70	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.91
MAXIMUM DAILY, 14.5 ON JUL 14
MINIMUM DAILY, 5.96 ON OCT 30
MAXIMUM INSTANTANEOUS,
15.2 AT 17:03 CST ON JUL 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 26 45 N
LONG 109 13 21 W
DRAINAGE AREA, 7 760 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	205.45	JUL	35 500
FEB	205.88	AUG	29 200
MAR	19 700	SEP	22 800
APR	21 200	OCT	18 400
MAY	30 400	NOV	149.95
JUN	32 600	DEC	109.69

TOTAL DISCHARGE, 210 000 dam³

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO. 06DC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.6	26.5	23.6	21.4	27.4	76.7	68.8	57.5	38.7	33.5	43.3	42.7	1
2	29.4	26.2	23.4	21.5	28.0	78.2	69.8	56.9	38.7	33.1	43.4	42.4	2
3	29.1	26.1	23.3	21.4	29.0	78.7	69.2	55.4	39.6	33.8	43.5	42.0	3
4	29.0	26.2	23.2	21.2	30.2	78.5	69.8	55.8	39.4	34.1	43.5	42.0	4
5	28.8	26.2	23.3	21.2	32.2	77.2	70.2	55.7	41.0	34.5	43.9	42.1	5
6	28.8	26.0	23.2	21.2	36.0	75.7	70.2	55.4	42.3	34.8	44.1	41.9	6
7	28.6	26.0	23.2	21.2	39.8	76.7	69.2	54.8	41.9	35.1	44.0	41.8	7
8	28.4	26.0	23.2	21.3	42.9	75.1	68.7	52.9	40.4	35.2	44.1	41.9	8
9	28.3	26.0	23.3	21.3	45.9	74.2	69.3	52.9	40.6	36.2	43.9	41.6	9
10	28.3	26.0	23.2	21.2	48.6	73.2	68.7	52.5	40.4	35.4	43.6	41.4	10
11	28.1	25.8	23.1	21.1	51.8	71.8	68.8	52.3	39.2	35.5	43.3	41.2	11
12	28.0	25.5	23.4	20.9	54.4	72.7	68.6	52.0	39.8	38.0	43.1	41.2	12
13	27.8	25.4	23.5	20.7	57.6	72.6	67.0	50.6	39.5	38.4	43.1	41.2	13
14	27.9	25.3	23.4	20.7	60.6	75.2	65.4	50.4	38.6	38.8	43.4	41.0	14
15	27.9	25.2	23.3	20.5	63.0	76.1	64.0	50.2	38.5	39.1	43.4	40.8	15
16	27.6	25.0	23.2	20.3	65.7	74.9	63.2	49.2	39.0	39.2	43.2	40.8	16
17	27.5	24.7	23.1	20.4	68.3	74.5	62.6	49.1	38.3	39.6	43.2	40.7	17
18	27.4	24.6	23.1	20.5	70.7	73.9	61.9	49.3	36.7	39.9	43.2	40.4	18
19	27.3	24.4	23.0	20.3	72.6	73.2	61.1	48.6	36.7	40.1	42.9	40.1	19
20	27.1	24.4	22.8	20.4	74.6	72.7	60.6	48.5	36.8	40.3	42.7	39.7	20
21	27.1	24.6	22.6	20.8	76.2	72.6	60.4	47.3	36.5	40.5	42.7	39.3	21
22	27.1	24.4	22.5	21.2	77.5	72.9	59.8	47.0	36.8	41.3	43.2	39.1	22
23	27.5	24.3	22.5	21.9	79.0	72.5	58.9	47.9	36.2	41.7	43.3	38.9	23
24	27.5	24.2	22.4	23.1	80.0	70.5	57.4	47.6	35.9	42.3	43.1	38.8	24
25	27.2	24.0	22.0	23.5	80.1	69.6	57.4	46.3	35.6	42.5	42.8	38.4	25
26	27.4	23.9	21.9	24.0	80.4	69.4	57.2	45.7	34.5	42.6	42.4	38.1	26
27	27.6	23.8	21.7	24.9	78.8	68.8	56.2	45.6	34.7	42.6	42.3	37.9	27
28	27.3	23.7	21.7	25.2	80.4	69.1	55.3	45.1	34.8	42.9	42.4	37.9	28
29	27.1		21.6	25.7	80.0	67.9	57.3	44.4	36.2	43.1	42.4	37.7	29
30	27.0		21.7	27.0	80.1	67.8	57.6	45.0	34.2	43.0	42.7	37.4	30
31	26.8		21.4		78.4		57.5	41.8		43.2		37.1	31
TOTAL	863.9	704.4	706.8	656.0	1 870.2	2 202.9	1 972.1	1 553.7	1 141.1	1 200.3	1 296.1	1 247.5	TOTAL
MEAN	27.9	25.2	22.8	21.9	60.3	73.4	63.6	50.1	38.0	38.7	43.2	40.2	MEAN
MAX	29.6	26.5	23.6	27.0	80.4	78.7	70.2	57.5	42.3	43.2	44.1	42.7	MAX
MIN	26.8	23.7	21.4	20.3	27.4	67.8	55.3	41.8	34.2	33.1	42.3	37.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.2
MAXIMUM DAILY, 80.4 ON MAY 26
MINIMUM DAILY, 20.3 ON APR 16
MAXIMUM INSTANTANEOUS,
81.1 AT 16:08 CST ON MAY 26

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 05 20 N
LONG 103 42 40 W
DRAINAGE AREA, 10 200 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	74 600	JUL	170 000
FEB	60 900	AUG	134 000
MAR	61 100	SEP	98 600
APR	56 700	OCT	104 000
MAY	162 000	NOV	112 000
JUN	190 000	DEC	108 000

TOTAL DISCHARGE, 1 330 000 dam³

WEYBURN INDEX RESERVOIR - STATION NO. 05NB024

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	28.258A	29.419E	29.290	29.128	28.921	28.921	28.764	28.587	---	---
2	---	---	28.266E	29.478A	29.286	29.140	28.922	28.912	28.757	28.585	---	---
3	---	---	28.273E	29.462E	29.282	29.149	29.025	28.902	28.752	28.582	---	---
4	---	---	28.281E	29.441A	29.282	29.146	29.024	28.894	28.745	28.577	---	---
5	---	---	28.289E	29.421A	29.279	29.144	29.018	28.885	28.739	28.574	---	---
6	---	---	28.296E	29.410A	29.274	29.123	29.017	28.878	28.731	28.569	---	---
7	---	---	28.304E	29.407A	29.273	29.096	29.015	28.866	28.725	28.567	---	---
8	---	---	28.312E	29.400	29.272	29.094	29.011	28.855	28.717	28.564	---	---
9	---	---	28.319E	29.398	29.268	29.078	29.004	28.844	28.710	28.562	---	---
10	---	---	28.327E	29.394	29.264	29.051	29.008	28.836	28.704	28.559	---	---
11	---	---	28.335E	29.389	29.260	29.052	29.007	28.830	28.698	28.555	---	---
12	---	---	28.343E	29.385	29.255	29.041	29.004	28.822	28.690	28.552	---	---
13	---	---	28.350E	29.381	29.251	29.029	28.994	28.816	28.682	28.552	---	---
14	---	---	28.358E	29.377	29.245	29.014	28.986	28.809	28.677	28.549	---	---
15	---	---	28.366E	29.371	29.241	29.007	28.975	28.800	28.670	28.547	---	---
16	---	---	28.373E	29.365	29.243	29.000	28.968	28.788	28.661	28.543	---	---
17	---	---	28.381E	29.358	29.236	28.992	28.962	28.785	28.656	28.541	---	---
18	---	---	28.389E	29.352	29.228	28.988	28.957	28.801	28.651	28.538	---	---
19	---	---	28.396E	29.348	29.225	28.986	28.952	28.800	28.646	28.538	---	---
20	---	---	28.404A	29.341	29.224	28.980	28.949	28.795	28.642	28.535	---	---
21	---	---	28.408E	29.335	29.231	28.972	28.942	28.792	28.637	28.532	---	---
22	---	---	28.412E	29.328	29.231	28.963	28.935	28.787	28.633	28.531	---	---
23	---	---	28.416E	29.323	29.225	28.954	28.929	28.781	28.628	28.530	---	---
24	---	---	28.420E	29.319	29.215	28.948	28.921	28.782	28.623	28.528	---	---
25	---	---	28.424E	29.320	29.205	28.940	28.911	28.786	28.618	28.527	---	---
26	---	---	28.428E	29.317	29.202	28.931	28.930	28.794	28.612	28.525	---	---
27	---	---	28.432E	29.310	29.200	28.928	28.956	28.800	28.605	28.521	---	---
28	---	---	28.436E	29.308	29.195	28.923	28.950	28.795	28.600	28.519	---	---
29	---		28.440A	29.300	29.183	28.922	28.943	28.789	28.596	28.518	---	---
30	---		28.447	29.296	29.158	28.912	28.937	28.782	28.590	28.517	---	---
31	---		28.873A		29.135		28.931	28.773		28.516A		---
MEAN	---	---	28.379	29.368	29.237	29.021	28.968	28.823	28.672	28.546	---	---
MAX	---	---	28.873	29.478	29.290	29.149	29.025	28.921	28.764	28.587	---	---
MIN	---	---	28.258	29.296	29.135	28.912	28.911	28.773	28.590	28.516	---	---

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.478A ON APR 02

MAXIMUM INSTANTANEOUS, 29.484A ON APR 02

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 42 N
LONG 103 40 28 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA, 29.5 km²

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 06DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14.5B	14.2B	14.5B	14.1B	16.7	18.3A	20.9	17.6	11.4	11.7	13.7B	14.0B
2	14.5B	14.2B	14.1B	14.1B	16.8	18.4E	20.9	17.7	11.4	10.8	13.7B	14.0B
3	14.5B	14.1B	13.8B	14.1B	17.0	18.9A	19.9	17.8	11.1	10.5	13.6B	14.0B
4	14.5B	14.2B	14.2B	14.2B	17.3	19.1	19.5	16.8	11.3	10.9	13.3B	14.0B
5	14.5B	14.2B	14.7B	14.2B	17.6	19.2	20.4	16.5	13.4	11.8	14.1B	14.2B
6	14.5B	14.2B	15.2B	14.2B	17.6	19.2	20.6	16.2	12.5	12.3	13.9B	14.3B
7	14.5B	14.1B	15.0B	14.3B	17.5	19.1	20.4	16.1	12.9	12.4	13.9B	14.2B
8	14.5B	14.1B	14.6B	14.3B	18.0	19.1	20.1	16.2	13.1	12.4	14.3B	14.2B
9	14.4B	14.2B	14.9B	14.2B	18.5	18.5	19.8	15.1	12.7	12.9	14.0B	14.3B
10	14.4B	14.3B	14.7B	14.1B	18.7	18.3	19.9	14.5	12.4	13.2	13.7B	14.3B
11	14.4B	14.3B	14.9B	14.2B	19.0	17.9	20.1	14.3	11.9	12.8	13.9B	14.0B
12	14.4B	14.3B	14.4B	14.2B	19.0	17.2	20.5	14.1	11.3	12.5	13.8B	13.9B
13	14.4B	14.2B	14.2B	14.0B	19.1	18.0	20.4	14.5	11.6	12.2	14.0B	13.9B
14	14.4B	14.2B	14.0B	14.0B	19.3	19.3	20.2	14.3	12.2	12.4	14.3B	13.9B
15	14.4B	14.3B	14.0B	14.0B	19.5	20.5	20.7	14.1	12.0	13.1	14.4B	13.8B
16	14.4B	14.2B	14.0B	13.9B	19.5	20.5	20.2	13.7	12.0	13.2	14.3B	13.8B
17	14.3B	14.2B	13.4B	14.0B	19.6	20.1	19.6	13.2	12.4	13.6	14.5B	13.8B
18	14.3B	14.2B	14.0B	14.0B	19.8	20.2	19.6	13.1	12.8	13.0	14.4B	13.9B
19	14.3B	14.2B	14.1B	14.0B	20.2	20.4	19.2	13.4	12.4	13.0	14.3B	13.9B
20	14.3B	14.5B	13.8B	13.9B	20.2	20.4	18.7	13.4	11.5	13.1	14.0B	13.7B
21	14.3B	14.5B	13.8B	14.3	20.3	20.4	18.8	13.6	11.6	13.3	14.0B	13.6B
22	14.3B	14.4B	13.9B	14.6	20.4	20.3	19.0	13.2	11.9	13.3	13.9B	13.5B
23	14.3B	14.5B	14.0B	15.0	20.5	20.3	18.6	13.3	12.3	13.7	13.8B	13.5B
24	14.3B	14.5B	14.2B	15.5	20.6	20.3	18.2	13.5	12.4	13.9	14.0B	13.5B
25	14.2B	14.4B	14.1B	15.2	20.7	20.0	17.9	13.9	12.5	14.1	14.0B	13.5B
26	14.3B	14.5B	14.1B	15.2	20.8	19.2	17.9	13.2	12.9	14.3	13.6B	13.6B
27	14.3B	14.6B	14.1B	16.0	19.8	18.6	17.8	13.0	12.4	14.4	13.8B	13.6B
28	14.3B	14.4B	14.3B	16.2	19.2	20.0	18.0	13.0	11.6	13.5B	13.8B	13.5B
29	14.3B		14.4B	16.1	19.7	20.5	17.7	13.0	11.4	14.3B	13.9B	13.5B
30	14.3B		14.4B	16.5	19.7	20.4	18.0	12.9	12.1	13.7B	13.9B	13.6B
31	14.3B		14.3B		19.6		18.1	12.0		13.6B		13.6B
TOTAL	445.6	400.2	442.1	436.6	592.2	582.6	601.6	447.2	368.4	399.5	418.8	429.1
MEAN	14.4	14.3	14.3	14.6	19.1	19.4	19.4	14.4	12.3	12.9	14.0	13.8
MAX	14.5	14.6	15.2	16.5	20.8	20.5	20.9	14.8	13.4	14.4	14.5	14.3
MIN	14.2	14.1	13.4	13.9	16.7	17.2	17.7	12.0	11.3	10.5	13.3	13.5

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.2
MAXIMUM DAILY, 20.9 ON JUL 01
MINIMUM DAILY, 10.5 ON OCT 03
MAXIMUM INSTANTANEOUS, 21.4 AT 09:53 CST ON JUL 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 28 40 N
LONG 104 59 50 W
DRAINAGE AREA, 3 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 500	JUL	52 000
FEB	34 600	AUG	38 600
MAR	39 200	SEP	31 800
APR	37 700	OCT	34 500
MAY	51 200	NOV	36 200
JUN	50 300	DEC	37 100

TOTAL DISCHARGE, 481 000 dam³

WHITE BEAR (CARLYLE) LAKE NEAR CARLYLE - STATION NO. 05ND008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	729.708	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	729.676	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	729.511	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	729.703	---	---	729.476	---	---	12
13	---	---	---	---	---	---	---	---	729.592	---	---	---	13
14	---	---	---	---	---	729.677	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	729.682	---	---	---	729.627	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	729.620	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	729.620E	---	---	---	729.687	---	---	---	---	---	---	28
29	---	---	729.666	---	---	---	---	---	---	---	---	---	29
30	---	---	---	729.707E	729.705	729.687E	---	729.654	729.522E	729.450	---	---	30
31	---	---	729.670E	---	729.705E	---	729.688E	729.655E	---	729.450E	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 45 36 N
LONG 102 16 46 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA, 183 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	1.50 B	0.688	1.07	0.210	0.570	0	0	---	---	1
2	---	---	0B	8.27 B	0.664	0.980	0.191	0.525	0	0	---	---	2
3	---	---	0B	10.2 B	0.731	0.900	0.224	0.593	0	0	---	---	3
4	---	---	0B	8.76 B	0.781	0.810	0.726	0.737	0	0	---	---	4
5	---	---	0B	8.46 B	0.977	0.775	1.26	0.693	0	0	---	---	5
6	---	---	0B	10.3 B	1.26	0.828	1.08	0.547	0	0	---	---	6
7	---	---	0B	11.5 B	1.30	0.916	1.04	0.411	0	0	---	---	7
8	---	---	0B	6.59 B	1.38	0.627	1.28	0.305	0	0	---	---	8
9	---	---	0B	2.36 B	1.35	0.561	1.46	0.260	0	0	---	---	9
10	---	---	0B	4.83 B	1.54	0.542	1.52	0.224	0	0	---	---	10
11	---	---	0B	4.46 B	1.59	0.548	1.66	0.184	0	0	---	---	11
12	---	---	0B	4.69 B	1.48	0.479	2.10	0.145	0	0	---	---	12
13	---	---	0B	4.92	1.39	0.529	1.97	0.122	0	0	---	---	13
14	---	---	0B	4.34	1.26	0.485	1.86	0.106	0	0	---	---	14
15	---	---	0B	3.45	1.15	0.393	1.92	0.090	0	0	---	---	15
16	---	---	0B	2.14	1.14	0.383	1.65	0.069	0	0	---	---	16
17	---	---	0B	1.89	1.24	0.452	1.37	0.053	0	0	---	---	17
18	---	---	0B	1.67	1.27	0.408	1.24	0.026	0	0	---	---	18
19	---	---	0B	1.50	1.78	0.358	1.15	0.008	0	0	---	---	19
20	---	---	0B	1.35	2.34	0.315	1.04	0.002	0	0	---	---	20
21	---	---	0B	1.24	2.06	0.280	0.915	0	0	0	---	---	21
22	---	---	0B	1.13	2.10	0.225	0.803	0	0	0	---	---	22
23	---	---	0B	1.10	2.09	0.190	0.713	0	0	0	---	---	23
24	---	---	0B	0.937	2.83	0.138	0.612	0	0	0	---	---	24
25	---	---	0B	0.866	2.01	0.114	0.526	0	0	0	---	---	25
26	---	---	0B	0.753	1.95	0.134	0.481	0	0	0	---	---	26
27	---	---	0B	0.738	1.62	0.352	0.567	0	0	0	---	---	27
28	---	---	0B	0.745	1.36	0.222	0.708	0	0	0	---	---	28
29	---	---	0B	0.738	1.21	0.681	0.633	0	0	0A	---	---	29
30	---		0B	0.699	1.29	0.295	0.650	0	0	0E	---	---	30
31	---		0B		1.15		0.613	0		0E		---	31
TOTAL	---	---	0	112.126	44.981	14.990	32.174	5.670	0	0	---	---	TOTAL
MEAN	---	---	0	3.74	1.45	0.500	1.04	0.183	0	0	---	---	MEAN
MAX	---	---	0	11.5	2.83	1.07	2.10	0.737	0	0	---	---	MAX
MIN	---	---	0	0.699	0.664	0.114	0.191	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.857
MAXIMUM DAILY, 11.5B ON APR 07
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS
14.8B AT 00:20 CST ON APR 03

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 25 20 N
LONG 104 20 30 W
DRAINAGE AREA, 1 870 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 780
FEB	---	AUG	490
MAR	0	SEP	0
APR	9 690	OCT	0
MAY	3 890	NOV	---
JUN	1 300	DEC	---

TOTAL DISCHARGE, 18 200 dam³

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	13.9	0.479	0.019	0	0	0	0.582	---	1
2	---	---	0B	0.034B	12.8	0.166	0.014	0	0	0	0.699	---	2
3	---	---	0B	1.41 B	11.7	0.091	0.041	0	0	0	0.571	---	3
4	---	---	0B	2.58 B	10.3	0.076	0.051	0	0	0	0.405	---	4
5	---	---	0B	3.12 B	9.14	0.062	0.062	0	0	0	0.212	---	5
6	---	---	0B	5.28 B	8.11	0.041	0.074	0	0	0	0.097	---	6
7	---	---	0B	5.99 B	7.01	0.068	0.081	0	0	0	0.075	---	7
8	---	---	0B	10.1 B	6.08	0.167	0.185	0	0	0	0.061	---	8
9	---	---	0B	16.6 B	5.38	0.156	0.093	0	0	0	0.054	---	9
10	---	---	0B	21.3 B	4.96	0.074	0.038	0	0	0	0.046	---	10
11	---	---	0B	29.5 B	4.52	0.061	0.022	0	0	0	0.042	---	11
12	---	---	0B	36.6 B	4.18	0.080	0.016	0	0	0	0.041	---	12
13	---	---	0B	36.4 B	3.73	0.058	0.015	0	0	0	0.039	---	13
14	---	---	0B	36.5 B	3.37	0.053	0.014	0	0	0	0.047	---	14
15	---	---	0B	35.7 B	3.00	0.046	0.014	0	0	0	0.065	---	15
16	---	---	0B	34.4 B	3.08	0.028	0.013	0	0	0	0.064	---	16
17	---	---	0B	29.9 B	3.34	0.024	0.017	0	0	0	0.055	---	17
18	---	---	0B	31.0	3.39	0.048	0.011	0	0	0	0.049	---	18
19	---	---	0B	32.4	3.35	0.070	0.010	0	0	0	0.047	---	19
20	---	---	0B	32.6	3.07	0.078	0.010	0	0	0	0.046B	---	20
21	---	---	0B	32.3	2.90	0.077	0.009	0	0	0	0.043B	---	21
22	---	---	0B	31.0	3.33	0.052	0.008	0	0	0	0.041B	---	22
23	---	---	0B	29.4	3.11	0.036	0.007	0	0	0	0.038B	---	23
24	---	---	0B	26.2	2.77	0.032	0.007	0	0	0	0.036B	---	24
25	---	---	0B	23.1	2.44	0.033	0.006	0	0	0	0.033B	---	25
26	---	---	0B	21.0	2.00	0.032	0.005	0	0	0	0.030B	---	26
27	---	---	0B	19.1	1.56	0.025	0.004	0	0	0	0.028B	---	27
28	---	---	0B	17.7	1.31	0.034	0.004	0	0	0	0.025B	---	28
29	---	---	0B	16.4	1.00	0.020	0.003	0	0	0	0.023B	---	29
30	---		0B	15.2	0.768	0.022	0.002	0	0	0	0.020B	---	30
31	---		0B		0.575		0.001	0		0.100A		---	31
TOTAL	---	---	0	632.814	146.173	2.289	0.851	0	0	0.100	3.614	---	TOTAL
MEAN	---	---	0	21.1	4.72	0.076	0.028	0	0	0.003	0.121	---	MEAN
MAX	---	---	0	36.6	13.9	0.479	0.185	0	0	0.100	0.699	---	MAX
MIN	---	---	0	0	0.575	0.020	0.001	0	0	0	0.020	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.86
MAXIMUM DAILY, 36.6B ON APR 12
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS
37.9B AT 20:29 CST ON APR 12

SUMMARY FOR THE MONTHS MAR TO NOV

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 11 N
LONG 102 22 11 W
DRAINAGE AREA, 8 740 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	73.5
FEB	---	AUG	0
MAR	0	SEP	0
APR	54 700	OCT	8.64
MAY	12 600	NOV	312
JUN	198	DEC	---

TOTAL DISCHARGE, 67 900 dam³

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.008B	0.467B	4.34	0.126	0.005	0	0	0	0.188A	---	1
2	---	---	0.008B	0.364B	3.87	0.123	0.004	0	0	0	---	---	2
3	---	---	0.008B	1.98 B	3.42	0.124	0.006	0	0	0	---	---	3
4	---	---	0.008B	4.20 B	2.95	0.107	0.009	0	0	0	---	---	4
5	---	---	0.008B	4.14 B	2.15	0.105	0.010	0	0	0	---	---	5
6	---	---	0.008B	5.06 B	1.96	0.094	0.011	0	0	0	---	---	6
7	---	---	0.008B	5.83 B	1.81	0.105	0.013	0	0	0	---	---	7
8	---	---	0.008B	6.30 B	1.73	0.130	0.023	0	0	0	---	---	8
9	---	---	0.008B	6.30 B	1.51	0.140	0.020	0	0	0	---	---	9
10	---	---	0.009B	6.38 B	1.26	0.163	0.014	0	0	0	---	---	10
11	---	---	0.010B	7.19 B	1.26	0.235	0.010	0	0	0	---	---	11
12	---	---	0.011B	8.07 B	1.11	0.103	0.006	0	0	0.687	---	---	12
13	---	---	0.018B	8.90 B	0.935	0.092	0.005	0	0	0.811	---	---	13
14	---	---	0.015B	9.82	0.759	0.084	0.004	0	0	0.821	---	---	14
15	---	---	0.014B	9.29	0.625	0.076	0.004	0	0	0.879	---	---	15
16	---	---	0.016B	8.07	0.866	0.073	0.003	0	0	0.875	---	---	16
17	---	---	0.013B	6.81	0.975	0.073	0.003	0	0	0.910	---	---	17
18	---	---	0.010B	6.28	0.738	0.071	0.003	0	0	0.892	---	---	18
19	---	---	0.010B	6.65	0.567	0.121	0.003	0	0	0.918	---	---	19
20	---	---	0.010B	7.14	0.622	0.090	0.002	0	0	0.926	---	---	20
21	---	---	0.011B	7.91	0.595	0.055	0.002	0	0	0.915	---	---	21
22	---	---	0.010B	8.59	0.705	0.049	0.002	0	0	0.952	---	---	22
23	---	---	0.009B	8.69	0.630	0.045	0.001	0	0	0.934	---	---	23
24	---	---	0.009B	8.18	0.518	0.033	0.001	0	0	0.914	---	---	24
25	---	---	0.008B	7.43	0.413	0.043	0	0	0	0.920	---	---	25
26	---	---	0.007B	7.04	0.354	0.018	0	0	0	0.924	---	---	26
27	---	---	0.007B	6.48	0.305	0.012	0.002	0	0	0.934	---	---	27
28	---	---	0.006B	5.85	0.269	0.009	0.002	0	0	0.913	---	---	28
29	---	---	0.010B	5.31	0.260	0.006	0.002	0	0	0.864	---	---	29
30	---		0.033B	4.82	0.180	0.005	0.001	0	0	0.859	---	---	30
31	---		0.178B		0.125		0	0		0.502		---	31
TOTAL	---	---	0.496	189.541	37.651	2.510	0.171	0	0	17.350	---	---	TOTAL
MEAN	---	---	0.016	6.32	1.21	0.084	0.006	0	0	0.560	---	---	MEAN
MAX	---	---	0.178	9.82	4.34	0.235	0.023	0	0	0.952	---	---	MAX
MIN	---	---	0.006	0.364	0.125	0.005	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.01
MAXIMUM DAILY, 9.82 ON APR 14
MINIMUM DAILY, 0 ON JUL 25
MAXIMUM INSTANTANEOUS,
9.96 AT 14:53 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 50 N
LONG 102 44 12 W
DRAINAGE AREA, 2 650 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	14.8
FEB	---	AUG	0
MAR	42.8	SEP	0
APR	16 400	OCT	1 500
MAY	3 250	NOV	---
JUN	217	DEC	---

TOTAL DISCHARGE, 21 400 dam³

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.068B	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.040B	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.020	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.011	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.001	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0.006B	0.008	0	0	0	0	0	0	---	---	7
8	---	---	0.006B	0.010	0	0	0	0	0	0	---	---	8
9	---	---	0.003B	0.007	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0.002	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0.001B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0.002B	0	0	0	0	0	0	0	---	---	19
20	---	---	0.013B	0	0	0	0	0	0	0	---	---	20
21	---	---	0.010B	0	0	0	0	0	0	0	---	---	21
22	---	---	0.001B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0.005B	0	0	0	0	0	0	0	---	---	26
27	---	---	0.033B	0	0	0	0	0	0	0	---	---	27
28	---	---	0.079B	0	0	0	0	0	0	0	---	---	28
29	---	---	0.085B	0	0	0	0	0	0	0	---	---	29
30	---		0.026B	0	0	0	0	0	0	0	---	---	30
31	---		0.067B		0		0	0		0		---	31
TOTAL	---	---	0.337	0.167	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.011	0.006	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.085	0.068	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.085B ON MAR 29
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
0.215B AT 13:41 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 41 N
LONG 104 46 53 W
DRAINAGE AREA, 270 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	29.1	SEP	0
APR	14.4	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 43.5 dam³

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.2B	18.2B	17.0B	17.2B	34.9B	30.0	18.1E	13.0E	11.9	14.9	14.7B	13.6B	1
2	21.3B	18.0B	16.3B	17.4B	33.7B	29.3	17.9E	12.9E	11.7	14.0	14.3B	13.7B	2
3	21.2B	17.8B	16.5B	16.9B	33.5B	28.7	17.7E	12.8E	12.0	13.8	14.3B	13.6B	3
4	20.6B	17.5B	17.1B	16.4B	35.4B	28.6	17.5E	12.7E	12.5	13.9	14.5B	13.7B	4
5	19.8B	17.3B	17.2B	16.5B	35.9B	28.2	17.2E	12.6E	12.5	14.0	14.3B	13.6B	5
6	19.5B	17.2B	16.9B	16.7B	39.3B	27.5	17.0E	12.5E	12.6	14.5	14.7B	13.6B	6
7	18.6B	17.2B	16.8B	16.8B	39.1	27.1A	16.8E	12.4E	12.2	14.7	15.2B	13.5B	7
8	18.1B	17.2B	17.2B	16.6B	38.7	27.0E	16.6E	12.3E	12.1	14.8	14.2B	13.7B	8
9	18.3B	17.0B	17.8B	16.4B	38.8	26.5E	16.4E	12.1E	12.4	15.1	13.8B	14.1B	9
10	18.3B	17.3B	17.3B	15.9B	38.9	26.0E	16.2E	11.9E	12.4	15.3	14.6B	13.9B	10
11	18.4B	17.8B	17.0B	16.2B	38.8	25.5E	16.0E	11.8E	12.3	15.5	14.6B	14.1B	11
12	18.9B	17.9B	16.9B	16.2B	38.7	24.8E	15.8E	11.6E	12.5	15.1	14.4B	14.2B	12
13	19.4B	17.8B	16.9B	16.0B	38.3	24.5E	15.6E	11.5E	12.9	14.9	14.6B	14.1B	13
14	19.6B	17.8B	17.1B	16.1B	37.8	24.1E	15.4E	11.4E	13.1	15.0B	15.1B	14.0B	14
15	19.4B	17.8B	17.2B	15.6B	37.5	23.8E	15.1E	11.3E	13.6	14.8B	15.0B	13.9B	15
16	19.2B	17.6B	17.4B	16.2B	37.1	23.4E	14.9E	11.2E	13.7	14.3B	14.3B	13.6B	16
17	19.4B	17.4B	17.6B	15.6B	36.6	22.9E	14.8E	11.1E	13.6	14.2B	14.5B	13.9B	17
18	19.1B	17.2B	17.8B	15.1B	36.2	22.5E	14.7E	11.0E	13.9	13.9B	14.1B	13.7B	18
19	18.8B	16.9B	18.0B	15.8B	36.0	22.0E	14.5E	11.0E	13.7	15.1B	14.0B	13.5B	19
20	18.7B	16.9B	17.4B	15.6B	36.3	21.6E	14.3E	10.9E	14.0	14.9B	14.7B	13.3B	20
21	18.6B	16.7B	17.3B	15.8B	36.6	21.3E	14.2E	10.9A	13.9	14.3B	15.0B	12.9B	21
22	18.4B	16.5B	17.6B	17.9B	36.7	21.0E	14.1E	10.8	14.2	14.3B	15.1B	12.6B	22
23	18.5B	16.7B	17.3B	18.5B	36.9	20.8E	14.0E	11.9	14.3	13.2B	14.7B	12.3B	23
24	18.7B	17.0B	16.6B	21.7B	36.3	20.4E	13.9E	11.8	14.6	13.8B	14.6B	12.1B	24
25	18.8B	17.1B	16.6B	24.8B	35.9	20.0E	13.7E	12.5	14.4	12.9B	14.5B	12.1B	25
26	18.7B	16.9B	16.7B	29.0B	35.2	19.7E	13.6E	13.2	14.6	13.7B	14.3B	12.4B	26
27	18.8B	16.5B	17.0B	28.2B	34.1	19.3E	13.5E	12.7	14.7	13.6B	14.0B	12.3B	27
28	18.8B	16.6B	16.9B	32.9B	33.0	18.9E	13.4E	12.4	14.5	13.4B	13.8B	11.8B	28
29	18.7B		17.1B	33.5B	31.9	18.6E	13.3E	12.4	14.3	14.7B	14.0B	11.8B	29
30	18.5B		17.3B	34.7B	31.4	18.4E	13.2E	12.4	14.5	14.9B	13.9B	12.1B	30
31	18.6B		17.3B		30.6		13.1E	12.1		14.6B		12.0B	31
TOTAL	592.9	483.8	531.1	582.2	1 120.1	712.4	472.3	371.1	399.6	446.1	433.8	409.7	TOTAL
MEAN	19.1	17.3	17.1	19.4	36.1	23.7	15.2	12.0	13.3	14.4	14.5	13.2	MEAN
MAX	21.3	18.2	18.0	34.7	39.3	30.0	18.1	13.2	14.7	15.5	15.2	14.2	MAX
MIN	18.1	16.5	16.3	15.1	30.6	18.4	13.1	10.8	11.7	12.9	13.8	11.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.0
MAXIMUM DAILY, 39.3B ON MAY 06
MINIMUM DAILY, 10.8 ON AUG 22
MAXIMUM INSTANTANEOUS,
41.1B AT 15:20 CST ON MAY 06

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 48 50 N
LONG 109 00 10 W
DRAINAGE AREA, 4 030 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	51 200	JUL	40 800
FEB	41 800	AUG	32 100
MAR	45 900	SEP	34 500
APR	50 300	OCT	38 500
MAY	96 800	NOV	37 500
JUN	61 600	DEC	35 400

TOTAL DISCHARGE, 566 000 dam³

REMARKS - THE MAX INSTANTANEOUS DISCHARGE OCCURRED DURING A PERIOD OF RAPIDLY CHANGING BACKWATER

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.383	0	0	0	0	0	---	---	1
2	---	---	0B	0 B	0.335	0	0	0	0	0	---	---	2
3	---	---	0B	0 B	0.280	0	0	0	0	0	---	---	3
4	---	---	0B	0.182B	0.249	0	0	0	0	0	---	---	4
5	---	---	0B	0.219B	0.222	0	0	0	0	0	---	---	5
6	---	---	0B	0.175B	0.203	0	0	0	0	0	---	---	6
7	---	---	0B	0.100B	0.180	0	0	0	0	0	---	---	7
8	---	---	0B	0.227B	0.133	0	0	0	0	0	---	---	8
9	---	---	0B	0.340B	0.100	0	0	0	0	0	---	---	9
10	---	---	0B	0.275B	0.081	0	0	0	0	0	---	---	10
11	---	---	0B	0.200B	0.070	0	0	0	0	0	---	---	11
12	---	---	0B	0.140B	0.038	0	0	0	0	0	---	---	12
13	---	---	0B	0.110B	0.025	0	0	0	0	0	---	---	13
14	---	---	0B	0.085	0.012	0	0	0	0	0	---	---	14
15	---	---	0B	0.097	0.014	0	0	0	0	0	---	---	15
16	---	---	0B	0.332	0.031	0	0	0	0	0	---	---	16
17	---	---	0B	0.430	0.036	0	0	0	0	0	---	---	17
18	---	---	0B	0.421	0.061	0	0	0	0	0	---	---	18
19	---	---	0B	0.642	0.054	0	0	0	0	0	---	---	19
20	---	---	0B	1.21	0.044	0	0	0	0	0	---	---	20
21	---	---	0B	1.38	0.037	0	0	0	0	0	---	---	21
22	---	---	0B	1.54	0.041	0	0	0	0	0	---	---	22
23	---	---	0B	1.68	0.042	0	0	0	0	0	---	---	23
24	---	---	0B	1.51	0.047	0	0	0	0	0	---	---	24
25	---	---	0B	1.33	0.028	0	0	0	0	0	---	---	25
26	---	---	0B	1.16	0.022	0	0	0	0	0	---	---	26
27	---	---	0B	0.811	0.007	0	0	0	0	0	---	---	27
28	---	---	0B	0.675	0.003	0	0	0	0	0	---	---	28
29	---	---	0B	0.601	0.001	0	0	0	0	0	---	---	29
30	---		0B	0.457	0	0	0	0	0	0	---	---	30
31	---		0B		0		0	0		0		---	31
TOTAL	---	---	0	16.329	2.779	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0.544	0.090	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	1.68	0.383	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.078
MAXIMUM DAILY, 1.68 ON APR 23
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
1.70 AT 08:42 CST ON APR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 20 N
LONG 102 48 05 W
DRAINAGE AREA, 402 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	1 410	OCT	0
MAY	240	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 1 650 dam³

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.005B	0.064	0.001	0.016	0	0.101	0	0	---	---	1
2	---	---	0.040B	0.062	0.001	0.013	0	0.088	0	0	---	---	2
3	---	---	0.056B	0.062	0.001	0.012	0	0.075	0	0	---	---	3
4	---	---	0.045B	0.055	0.001	0.009	0	0.055	0	0	---	---	4
5	---	---	0.031B	0.050	0.001	0.010	0	0.033	0	0	---	---	5
6	---	---	0.677B	0.044	0	0.006	0	0.021	0	0	---	---	6
7	---	---	1.70 B	0.039	0	0.004	0	0.012	0	0	---	---	7
8	---	---	1.60 B	0.029	0	0.003	0	0.008	0	0	---	---	8
9	---	---	1.19 B	0.027	0	0.002	0	0.004	0	0	---	---	9
10	---	---	0.796B	0.022	0	0.003	0.005	0.001	0	0	---	---	10
11	---	---	0.841B	0.021	0	0.006	0	0	0	0	---	---	11
12	---	---	1.10 B	0.019	0	0.002	0.113	0	0	0	---	---	12
13	---	---	0.883B	0.018	0.001	0	0.359	0	0	0	---	---	13
14	---	---	0.953B	0.015	0.001	0	0.480	0	0	0	---	---	14
15	---	---	0.842B	0.013	0.002	0	0.471	0	0	0	---	---	15
16	---	---	0.658B	0.011	0.002	0	0.412	0	0	0	---	---	16
17	---	---	0.601B	0.009	0.002	0	0.320	0	0	0	---	---	17
18	---	---	0.420B	0.007	0.002	0	0.241	0	0	0	---	---	18
19	---	---	0.310B	0.006	0.002	0	0.176	0	0	0	---	---	19
20	---	---	0.262B	0.004	0.003	0	0.127	0	0	0	---	---	20
21	---	---	0.214B	0.003	0.007	0	0.095	0	0	0	---	---	21
22	---	---	0.174B	0.002	0.023	0	0.078	0	0	0	---	---	22
23	---	---	0.179B	0.001	0.033	0	0.063	0	0	0	---	---	23
24	---	---	0.165B	0.001	0.038	0	0.043	0	0	0	---	---	24
25	---	---	0.128B	0.002	0.034	0	0.016	0	0	0	---	---	25
26	---	---	0.106	0.001	0.046	0	0.020	0	0	0	---	---	26
27	---	---	0.088	0.001	0.042	0	0.352	0	0	0	---	---	27
28	---	---	0.081	0.001	0.032	0	0.539	0	0	0	---	---	28
29	---	---	0.078	0.001	0.022	0	0.340	0	0	0	---	---	29
30	---		0.075	0.001	0.015	0	0.207	0	0	0	---	---	30
31	---		0.070		0.019		0.134	0		0		---	31
TOTAL	---	---	14.368	0.591	0.331	0.086	4.591	0.398	0	0	---	---	TOTAL
MEAN	---	---	0.464	0.020	0.011	0.003	0.148	0.013	0	0	---	---	MEAN
MAX	---	---	1.70	0.064	0.046	0.016	0.539	0.101	0	0	---	---	MAX
MIN	---	---	0.005	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.083
MAXIMUM DAILY, 1.70B ON MAR 07
MINIMUM DAILY, 0 ON MAY 06
MAXIMUM INSTANTANEOUS,
1.93B AT 12:12 CST ON MAR 07

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 05 N
LONG 106 45 18 W
DRAINAGE AREA, 1 360 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	397
FEB	---	AUG	34.4
MAR	1 240	SEP	0
APR	51.1	OCT	0
MAY	28.6	NOV	---
JUN	7.43	DEC	---

TOTAL DISCHARGE, 1 760 dam³

WOLLASTON LAKE AT ROSS CHANNEL - STATION NO. 06DA001

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.291	28.273	28.237	28.183	28.151	28.222	28.362	28.435	28.377	28.254	28.223	28.241	1
2	28.290	28.268	28.231	28.186	28.149	28.227	28.363	28.434	28.371	28.244	28.220	28.239	2
3	28.289	28.266	28.227	28.181	28.149	28.230	28.366	28.415	28.350	28.194	28.218	28.236	3
4	28.289	28.274	28.226	28.179	28.148	28.231	28.370	28.428	28.354	28.241A	28.227	28.241	4
5	28.289	28.268	28.226	28.175	28.150	28.233	28.373	28.431	28.328	28.251A	28.214	28.242	5
6	28.283	28.265	28.226	28.176	28.147	28.232	28.373	28.429	28.347	28.251	28.221	28.238	6
7	28.285	28.269	28.227	28.176	28.148	28.235	28.381	28.423	28.338	28.266	28.228	28.240	7
8	28.289	28.267	28.223	28.171	28.153	28.233	28.380	28.399	28.318	28.281	28.219	28.242	8
9	28.292	28.272	28.223	28.168	28.152	28.235	28.389	28.406	28.328	28.299	28.203	28.248	9
10	28.286	28.265	28.222	28.168	28.159	28.238	28.387	28.407	28.322	28.246	28.213	28.245	10
11	28.290	28.264	28.213	28.169	28.163	28.222	28.394	28.405	28.316	28.221	28.213	28.242	11
12	28.283	28.262	28.216	28.163	28.166	28.250	28.397	28.408	28.331	28.261	28.211	28.244	12
13	28.278	28.265	28.216	28.162	28.168	28.279	28.393	28.384	28.326	28.254	28.214	28.247	13
14	28.279	28.260	28.216	28.159	28.173	28.296	28.402	28.388	28.304	28.253	28.231	28.245	14
15	28.286	28.259	28.215	28.159	28.172	28.300	28.397	28.387	28.318	28.239	28.231	28.242	15
16	28.282	28.258	28.213	28.159	28.173	28.301	28.404	28.371	28.329	28.243	28.226	28.236	16
17	28.277	28.259	28.211	28.155	28.177	28.311	28.405	28.381	28.316	28.265	28.229	28.240	17
18	28.268	28.254	28.212	28.153	28.180	28.317	28.399	28.399	28.278	28.271	28.228	28.241	18
19	28.263	28.249	28.206	28.151	28.189	28.323	28.393	28.386	28.292	28.264	28.220	28.239	19
20	28.268	28.251	28.204	28.153	28.188	28.324	28.399	28.391	28.301	28.258	28.216	28.238	20
21	28.274	28.254	28.201	28.158	28.195	28.333	28.401	28.377	28.295	28.251	28.217	28.239	21
22	28.273	28.247	28.201	28.154	28.201	28.344	28.404	28.375	28.307	28.268	28.232	28.240	22
23	28.273	28.245	28.201	28.156	28.205	28.341	28.397	28.391	28.294	28.248	28.241	28.238	23
24	28.274	28.244	28.196	28.151	28.208	28.342	28.394	28.397	28.294	28.279	28.244	28.236	24
25	28.273	28.241	28.191	28.145	28.215	28.343	28.398	28.381	28.290	28.249	28.247	28.234	25
26	28.273	28.243	28.190	28.145	28.215	28.344	28.407	28.377	28.266	28.223	28.242	28.231	26
27	28.282	28.238	28.188	28.146	28.213	28.348	28.394	28.382	28.270	28.210	28.237	28.228	27
28	28.279	28.241	28.190	28.143	28.219	28.365	28.381	28.380	28.285	28.242	28.239	28.234	28
29	28.280		28.193	28.143	28.223	28.353	28.411	28.377	28.318	28.223	28.238	28.234	29
30	28.280		28.191	28.152	28.223	28.357	28.428	28.376	28.266	28.222	28.236	28.229	30
31	28.276		28.182		28.219		28.431	28.332		28.224		28.230	31
MEAN	28.280	28.258	28.210	28.161	28.181	28.290	28.393	28.395	28.314	28.248	28.226	28.239	MEAN
MAX	28.292	28.274	28.237	28.186	28.223	28.365	28.431	28.435	28.377	28.299	28.247	28.248	MAX
MIN	28.263	28.238	28.182	28.143	28.147	28.222	28.362	28.332	28.266	28.194	28.203	28.228	MIN

WATER LEVELS IN METRES

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1990

MEAN, 28.267
MAXIMUM DAILY, 28.435 ON AUG 01
MINIMUM DAILY, 28.143 ON APR 28
MAXIMUM INSTANTANEOUS,
28.464 AT 19:37 CST ON AUG 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 28 50 N
LONG 103 16 50 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW
DRAINAGE AREA,
16 400 km²

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	0B	0.084B	0.596	1.41	0.044E	0.035E	1.96	0.033E	0.031E	0.030E	---	1
2	---	0B	0.130B	0.492	1.23	0.043E	0.035E	1.95	0.033E	0.031E	0.030E	---	2
3	---	0B	0.208B	0.482	1.17	0.042E	0.034E	1.91	0.032E	0.031E	0.030E	---	3
4	---	0B	0.242B	0.266	1.11	0.042A	0.034E	1.84	0.032E	0.031E	0.030E	---	4
5	---	0B	0.237B	0.185	1.03	0.042E	0.065A	1.76	0.032A	0.031E	0.030E	---	5
6	---	0B	0.234B	0.143	1.01	0.041E	0.082	1.64	0.032E	0.031E	0.030A	---	6
7	---	0B	0.246B	0.132	0.819	0.041E	0.076	1.50	0.032E	0.031E	---	---	7
8	---	0B	0.281B	0.119	0.294	0.040E	0.084	1.37	0.032E	0.031E	---	---	8
9	---	0B	0.298B	0.128	0.236	0.040E	0.085	1.22	0.032E	0.031E	---	---	9
10	---	0B	0.342B	0.126	0.239	0.040E	0.219	1.04	0.032E	0.031E	---	---	10
11	---	0B	0.386B	0.116	0.242	0.040E	0.228	0.891	0.032E	0.031E	---	---	11
12	---	0B	0.438B	0.077	0.239	0.039E	0.242	0.744	0.032E	0.031E	---	---	12
13	---	0B	0.538B	0.076	0.332	0.039E	0.305	0.614	0.032E	0.031E	---	---	13
14	---	0B	0.602B	0.084	1.21	0.039E	0.411	0.496	0.032E	0.031E	---	---	14
15	---	0B	0.589B	0.088	1.30	0.038E	0.473	0.389	0.032E	0.031E	---	---	15
16	---	0B	0.568B	0.088	1.29	0.038E	0.506	0.231	0.032E	0.031E	---	---	16
17	---	0B	0.588B	0.086	0.685	0.038E	0.509	0.170E	0.032E	0.031E	---	---	17
18	---	0B	0.673B	0.081	0.196	0.037E	0.818	0.105E	0.032E	0.031E	---	---	18
19	---	0B	0.814B	0.085	0.109A	0.037E	1.40	0.060E	0.032E	0.031E	---	---	19
20	---	0B	0.994B	0.073	0.117A	0.037E	1.30	0.047E	0.032E	0.030E	---	---	20
21	---	0B	1.10 B	0.073	0.095A	0.037E	1.20	0.042E	0.032E	0.030E	---	---	21
22	---	0B	1.12 B	0.051	0.117A	0.037E	1.09	0.039E	0.032E	0.030E	---	---	22
23	---	0B	1.15 B	0.046	0.103A	0.036E	1.01	0.038E	0.032E	0.030E	---	---	23
24	---	0B	1.10 B	0.047	0.095A	0.036E	0.922	0.037E	0.031E	0.030E	---	---	24
25	---	0B	1.11 B	1.16	0.077A	0.036E	0.833	0.036E	0.031E	0.030E	---	---	25
26	---	0B	1.09 B	2.87	0.060E	0.036E	1.19	0.035E	0.031E	0.030E	---	---	26
27	---	0B	1.01 B	2.29	0.054E	0.036E	2.33	0.035E	0.031E	0.030E	---	---	27
28	---	0B	0.951	1.63	0.050E	0.035E	2.24	0.034E	0.031E	0.030E	---	---	28
29	---		0.869	0.667	0.048E	0.035E	2.20	0.034E	0.031E	0.030E	---	---	29
30	---		0.774	0.947	0.046E	0.035E	2.12	0.034E	0.031E	0.030E	---	---	30
31	---		0.680		0.045E		2.05	0.033E		0.030E		---	31
TOTAL	---	0	19.446	13.304	15.108	1.156	24.126	20.334	0.955	0.949	---	---	TOTAL
MEAN	---	0	0.627	0.444	0.487	0.039	0.778	0.656	0.032	0.031	---	---	MEAN
MAX	---	0	1.15	2.87	1.41	0.044	2.33	1.96	0.033	0.031	---	---	MAX
MIN	---	0	0.084	0.046	0.045	0.035	0.034	0.033	0.031	0.030	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS FEB TO OCT

MEAN, 0.349
MAXIMUM DAILY, 2.87 ON APR 26
MINIMUM DAILY, 0B ON FEB 01
MAXIMUM INSTANTANEOUS,
3.06 AT 02:24 CST ON APR 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 46 N
LONG 106 21 31 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 080
FEB	0	AUG	1 760
MAR	1 680	SEP	2.5
APR	1 150	OCT	2.0
MAY	1 310	NOV	---
JUN	99.9	DEC	---

TOTAL DISCHARGE, 8 240 dam³

REMARKS - DATA QUALITY WAS POOR DURING LOW FLOW PERIODS

WOOD RIVER NEAR LAFLECHE - STATION NO. 05JA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.009B	0.254	0.047	0.018	0.008	0.110	0.008	0	---	---	1
2	---	---	0.004B	0.252	0.040	0.015	0.024	0.102	0.006	0	---	---	2
3	---	---	0.001B	0.255	0.034	0.014	0.024	0.104	0.005	0	---	---	3
4	---	---	0.001B	0.358	0.025	0.010	0.030	0.516	0.003	0	---	---	4
5	---	---	0.004B	0.704	0.024	0.005	0.043	0.804	0	0	---	---	5
6	---	---	0.028B	0.966	0.044	0.007	0.035	0.846	0	0	---	---	6
7	---	---	0.030B	0.963	0.089	0.010	0.025	0.783A	0	0	---	---	7
8	---	---	0.039B	0.836	0.116	0.011	0.317	0.681E	0	0	---	---	8
9	---	---	0.032B	0.700	0.111	0.010	1.39	0.578A	0	0	---	---	9
10	---	---	0.022B	0.578	0.096	0.008	1.96	0.487	0	0	---	---	10
11	---	---	0.022B	0.471	0.090	0.005	2.13	0.412	0	0	---	---	11
12	---	---	0.020B	0.375	0.087	0.001	1.88	0.347	0	0	---	---	12
13	---	---	0.020B	0.297	0.087	0	1.65	0.294	0	0	---	---	13
14	---	---	0.013B	0.245	0.087	0	1.37	0.248	0	0	---	---	14
15	---	---	0.007B	0.211	0.090	0	1.07	0.204	0	0	---	---	15
16	---	---	0.005B	0.189	0.092	0	0.845	0.170	0	0	---	---	16
17	---	---	0.006B	0.166	0.085	0	0.685	0.143	0	0	---	---	17
18	---	---	0.006B	0.142	0.079	0	0.578	0.121	0	0	---	---	18
19	---	---	0.071B	0.128	0.076	0	0.513	0.101	0	0	---	---	19
20	---	---	0.859B	0.117	0.069	0	0.460	0.085	0	0	---	---	20
21	---	---	0.974B	0.106	0.060	0	0.407	0.067	0	0	---	---	21
22	---	---	0.744B	0.098	0.055	0	0.354	0.051	0	0	---	---	22
23	---	---	0.614B	0.088	0.051	0	0.307	0.038	0	0	---	---	23
24	---	---	0.521B	0.083	0.046	0	0.261	0.030	0	0	---	---	24
25	---	---	0.449B	0.080	0.039	0	0.220	0.026	0	0	---	---	25
26	---	---	0.391B	0.074	0.034	0	0.221	0.024	0	0	---	---	26
27	---	---	0.333B	0.068	0.031	0	0.257	0.025	0	0	---	---	27
28	---	---	0.279B	0.062	0.030	0	0.330	0.022	0	0	---	---	28
29	---	---	0.266	0.055	0.026	0	0.244	0.018	0	0	---	---	29
30	---		0.281	0.052	0.022	0	0.166	0.014	0	0	---	---	30
31	---		0.270		0.021		0.126	0.010		0		---	31
TOTAL	---	---	6.321	8.973	1.883	0.114	17.950	7.541	0.022	0	---	---	TOTAL
MEAN	---	---	0.204	0.299	0.061	0.004	0.579	0.243	0.001	0	---	---	MEAN
MAX	---	---	0.974	0.966	0.116	0.018	2.13	0.846	0.008	0	---	---	MAX
MIN	---	---	0.001	0.052	0.021	0	0.008	0.010	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.175
MAXIMUM DAILY, 2.13 ON JUL 11
MINIMUM DAILY, 0 ON JUN 13
MAXIMUM INSTANTANEOUS,
2.21 AT 09:41 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 01 N
LONG 106 41 33 W
DRAINAGE AREA, 4 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 550
FEB	---	AUG	652
MAR	546	SEP	1.90
APR	775	OCT	0
MAY	163	NOV	---
JUN	9.85	DEC	---

TOTAL DISCHARGE, 3 700 dam³

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.89	0	0	0	0.073	0.020	0	---	---	1
2	---	---	0 B	3.83	0	0	0	0.061	0.022	0	---	---	2
3	---	---	0 B	3.14	0	0	0	0.051	0.024	0	---	---	3
4	---	---	0 B	1.99	0	0	0	0.050	0.019	0	---	---	4
5	---	---	0 B	1.21	0	0	0	0.041	0.017	0	---	---	5
6	---	---	0 B	0.821	0	0	0	0.025	0.011	0	---	---	6
7	---	---	0 B	0.529	0	0	0.099	0.019	0.008	0	---	---	7
8	---	---	0 B	0.420	0	0	0.085	0.011	0.004	0	---	---	8
9	---	---	0 B	0.312	0	0	0.045	0.007	0.001	0	---	---	9
10	---	---	0 B	0.230E	0	0	0.065	0.005	0	0	---	---	10
11	---	---	0 B	0.180B	0	0	0.064	0.003	0	0	---	---	11
12	---	---	0 B	0.138	0	0	0.078	0.001	0	0	---	---	12
13	---	---	0 B	0.101	0	0	0.066	0	0	0	---	---	13
14	---	---	0 B	0.078	0	0	0.031	0	0	0	---	---	14
15	---	---	0 B	0.058	0	0	0.013	0	0	0	---	---	15
16	---	---	0 B	0.043	0	0	0.009	0	0	0	---	---	16
17	---	---	0 B	0.021	0	0	0.001	0.015	0	0	---	---	17
18	---	---	0 B	0.016	0	0	0	0.020	0	0	---	---	18
19	---	---	0 B	0.018	0	0	0	0.025	0	0	---	---	19
20	---	---	0 B	0.006	0	0	0	0.027	0	0	---	---	20
21	---	---	0 B	0.002	0	0	0	0.027	0	0	---	---	21
22	---	---	0 B	0.001	0	0	0	0.030	0	0	---	---	22
23	---	---	0 B	0.001	0	0	0	0.029	0	0	---	---	23
24	---	---	0.140B	0	0	0	0	0.028	0	0	---	---	24
25	---	---	0.525B	0.004	0	0	0	0.028	0	0	---	---	25
26	---	---	0.669B	0	0	0	0.002	0.027	0	0	---	---	26
27	---	---	0.543B	0	0	0	0.016	0.028	0	0	---	---	27
28	---	---	0.382B	0.001	0	0	0.043	0.025	0	0	---	---	28
29	---	---	0.548B	0	0	0	0.087	0.024	0	0	---	---	29
30	---		1.00 B	0.002	0	0	0.098	0.023	0	0	---	---	30
31	---		3.03		0		0.097	0.022		0A		---	31
TOTAL	---	---	6.837	17.042	0	0	0.899	0.725	0.126	0	---	---	TOTAL
MEAN	---	---	0.221	0.568	0	0	0.029	0.023	0.004	0	---	---	MEAN
MAX	---	---	3.03	3.89	0	0	0.099	0.073	0.024	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.105
MAXIMUM DAILY, 3.89 ON APR 01
MINIMUM DAILY, 0B ON MAR 01
MAXIMUM INSTANTANEOUS,
4.01 AT 04:35 CST ON APR 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 11 N
LONG 104 02 16 W
DRAINAGE AREA, 1 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	77.7
FEB	---	AUG	62.6
MAR	591	SEP	10.9
APR	1 470	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 210 dam³

YORK LAKE NEAR YORKTON - STATION NO. 05MB014

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	511.162	511.122	511.057	---	---	---	---	1
2	---	---	---	---	---	511.198	511.122	511.047	---	---	---	---	2
3	---	---	---	---	---	511.196	511.122	511.047	---	---	---	---	3
4	---	---	---	---	---	511.192	511.117	511.042	---	---	---	---	4
5	---	---	---	---	---	511.192	511.117	511.037	---	---	---	---	5
6	---	---	---	---	---	511.202	511.122	511.032	---	---	---	---	6
7	---	---	---	---	---	511.202	511.122	511.027	---	---	---	---	7
8	---	---	---	---	---	511.207	511.122	511.022	---	---	---	---	8
9	---	---	---	---	---	511.207	511.122	511.017	---	---	---	---	9
10	---	---	---	---	---	511.202	511.112	511.007	---	---	---	---	10
11	---	---	---	---	---	511.194	511.112	511.002	---	---	---	---	11
12	---	---	---	---	---	511.187	511.107	510.997	---	---	---	---	12
13	---	---	---	---	---	511.182	511.102	510.992	---	---	---	---	13
14	---	---	---	---	---	511.182	511.102	510.987	---	---	---	---	14
15	---	---	---	---	---	511.172	511.097	510.987	---	---	---	---	15
16	---	---	---	---	---	511.167	511.092	510.987	---	---	---	---	16
17	---	---	---	---	---	511.182	511.087	510.982	---	---	---	---	17
18	---	---	---	---	---	511.185	511.072	510.982	---	---	---	---	18
19	---	---	---	---	---	511.172	511.072	510.982	---	---	---	---	19
20	---	---	---	---	---	511.162	511.072	510.987	---	---	---	---	20
21	---	---	---	---	---	511.157	511.067	510.982	---	---	---	---	21
22	---	---	---	---	---	511.152	511.062	510.982	---	---	---	---	22
23	---	---	---	---	---	511.147	511.062	510.982	---	---	---	---	23
24	---	---	---	---	---	511.147	511.062	510.982	---	510.823	---	---	24
25	---	---	---	---	---	511.142	511.057	510.987	---	---	---	---	25
26	---	---	---	---	---	511.137	511.057	510.987	---	---	---	---	26
27	---	---	---	---	---	511.132	511.067	510.987	---	---	---	---	27
28	---	---	---	---	---	511.132	511.067	510.987	---	---	---	---	28
29	---		---	---	---	511.132	511.062	510.982	---	---	---	---	29
30	---		---	---	511.174	511.132	511.062	510.972	---	---	---	---	30
31	---		---		---		511.057	510.977		---		---	31
MEAN	---	---	---	---	---	511.172	511.090	511.001	---	---	---	---	MEAN
MAX	---	---	---	---	---	511.207	511.122	511.057	---	---	---	---	MAX
MIN	---	---	---	---	---	511.132	511.057	510.972	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 511.207 ON JUN 08

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 09 57 N
LONG 102 29 53 W
DATA CONTRIBUTED BY -
SASKATCHEWAN WATER CORPORATION

A - MANUAL GAUGE

E - ESTIMATED

DRAINAGE AREA,
546 km²

YORKTON CREEK NEAR EBENEZER - STATION NO. 05MB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.010B	0.064B	0.521	0.116	0.130	0.040	0.108	0.017	0.013A	---	1
2	---	---	0.010B	0.060B	0.475	0.207	0.105	0.026	0.074	0.026	---	---	2
3	---	---	0.010B	0.083B	0.403	0.256	0.128	0.016	0.045	0.014	---	---	3
4	---	---	0.010B	3.50 B	0.314	0.236	0.107	0.015	0.046	0.012	---	---	4
5	---	---	0.010B	4.50 B	0.271	0.283	0.093	0.011	0.038	0.021	---	---	5
6	---	---	0.010B	6.00 B	0.284	0.341	0.092	0.010	0.026	0.015	---	---	6
7	---	---	0.010B	7.50 B	0.238	0.276	0.140	0.011	0.022	0.028	---	---	7
8	---	---	0.010B	6.80 B	0.226	0.216	0.176	0.006	0.014	0.044	---	---	8
9	---	---	0.012B	6.00 B	0.260	0.202	0.160	0.006	0.015	0.057	---	---	9
10	---	---	0.011B	4.41 B	0.235	0.169	0.192	0.007	0.018	0.024	---	---	10
11	---	---	0.012B	3.92 B	0.211	0.130	0.138	0.007	0.017	0.021	---	---	11
12	---	---	0.012B	2.66 B	0.207	0.126	0.085	0.007	0.032	0.043	---	---	12
13	---	---	0.011B	4.08 B	0.187	0.111	0.049	0.006	0.019	0.032	---	---	13
14	---	---	0.010B	6.53 B	0.162	0.099	0.023	0.006	0.020	0.115	---	---	14
15	---	---	0.009B	6.96 B	0.158	0.083	0.015	0.007	0.024	0.181	---	---	15
16	---	---	0.010B	5.88 B	0.225	0.072	0.013	0.007	0.031	0.073	---	---	16
17	---	---	0.012B	4.57 B	0.544	0.041	0.012	0.008	0.022	0.032	---	---	17
18	---	---	0.014B	5.41 B	0.357	0.026	0.013	0.014	0.013	0.022	---	---	18
19	---	---	0.016B	6.18	0.394	0.024	0.011	0.027	0.016	0.018	---	---	19
20	---	---	0.018B	5.70	0.567	0.027	0.013	0.020	0.018	0.016	---	---	20
21	---	---	0.021B	4.62	0.527	0.028	0.018	0.015	0.030	0.014	---	---	21
22	---	---	0.023B	3.53	0.471	0.030	0.014	0.022	0.037	0.012	---	---	22
23	---	---	0.025B	2.67	0.509	0.031	0.010	0.019	0.031	0.010	---	---	23
24	---	---	0.027B	2.59	0.399	0.026	0.007	0.036	0.019	0.009	---	---	24
25	---	---	0.028B	1.57	0.240	0.026	0.007	0.045	0.026	0.007	---	---	25
26	---	---	0.027B	1.09	0.192	0.026	0.006	0.045	0.025	0.007	---	---	26
27	---	---	0.026B	0.834	0.185	0.021	0.015	0.092	0.020	0.008	---	---	27
28	---	---	0.028B	0.688	0.159	0.032	0.008	0.093	0.030	0.009	---	---	28
29	---	---	0.032B	0.611	0.151	0.046	0.008	0.164	0.035	0.010	---	---	29
30	---		0.040B	0.548	0.125	0.087	0.019	0.148	0.017	0.011	---	---	30
31	---		0.056B		0.119		0.040	0.113		0.012		---	31
TOTAL	---	---	0.560	110.558	9.316	3.394	1.847	1.049	0.888	0.921	---	---	TOTAL
MEAN	---	---	0.018	3.69	0.301	0.113	0.060	0.034	0.030	0.030	---	---	MEAN
MAX	---	---	0.056	7.50	0.567	0.341	0.192	0.164	0.108	0.181	---	---	MAX
MIN	---	---	0.009	0.060	0.119	0.021	0.006	0.006	0.013	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.525
MAXIMUM DAILY, 7.50B ON APR 07
MINIMUM DAILY, 0.006 ON JUL 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 22 50 N
LONG 102 30 11 W
DRAINAGE AREA, 2 320 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	160
FEB	---	AUG	90.6
MAR	48.4	SEP	76.7
APR	9 550	OCT	79.6
MAY	805	NOV	---
JUN	293	DEC	---

TOTAL DISCHARGE, 11 100 dam³

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